

1997-1999 Catalog

SOUTHERN

MISSOURI SOUTHERN STATE COLLEGE

A STATE UNIVERSITY FOR THE 21st CENTURY

Missouri Southern State College

1997-1999 Catalog

2
General Information

20
Student Services

32
Academic Affairs

54
Arts & Sciences

122
Business Administration

138
Education

162
Technology

194
International Studies

196
Interdisciplinary Studies

200
Faculty Roster

212
Index

215
Applications

From the President

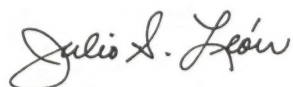
The ideal public college fulfills its mission by educating citizens of all ages and socioeconomic backgrounds. Missouri Southern State College is proud of the role it plays in the intellectual and personal growth of its diverse student body.



You will discover here one of the finest values in higher education anywhere, with quality academic programs, small classes, excellent and accessible professors, and reasonable cost.

Our curriculum combines a liberal arts foundation with a professional orientation and a strong commitment to the international aspects of education in order to prepare you for lifelong learning and a successful career in a rapidly changing and competitive world.

We invite you to come to our beautiful campus and visit with our faculty and staff so that you can experience true "Southern" hospitality and learn for yourself how Missouri Southern can prepare you for the 21st Century.



Julio S. Leon, President

Dear Student,

If you're entering college for the first time, or even coming back after several years' absence, there is information in this catalog you'll need. It's not the most exciting bedtime reading, but it does pack a lot of information about our academic programs throughout your college experience.

This catalog and our helpful staff also can answer your more immediate questions:

1. *Can I get some financial help with college costs?*

Yes, a full range of financial aid programs are available to qualified students. Mr. Jim Gilbert and his staff can provide you with information and applications in Hearnes Hall 114, 625-9325. (*Financial Aid, page 20*)

2. *I haven't decided on a major yet. What do I do?*

Southern has trained counselors to help you discover what your best interests and attributes might be. Visit with Dr. Linda Caldwell, Hearnes Hall 115, 625-9324. (*Counseling Services, page 25*)

3. *I'm concerned about the transition from high school to college. Is there someone to help?*

The Counseling Services can help here too, as well as your College Orientation class. See Dr. Linda Caldwell or Mrs. Susan Craig, Hearnes Hall 115, 625-9324. (*Orientation, page 26*)

4. *Do you have an Honors Program?*

Southern has an excellent and challenging Honors Program which includes a summer study option at Oxford University in England. Talk to Dr. Lanny Ackiss or Dr. Patricia Kluthe, Webster Hall 137, 625-9686. (*Honors Program, page 33*)

5. *What activities and organizations are available?*

A host of special events, student activities and departmental organizations are available throughout the year. Drop by Val Carlisle's office, Student Center 101, 625-9320. (*Student Activities, page 27. See also individual departments.*)



Our Mission

Missouri Southern State College is a state-supported, comprehensive college offering programs leading to the bachelor's degree. Faithful to its original statutory charter, the College also offers continuing education courses and a number of two-year programs in technical and vocational areas for the benefit of the community.

The College's primary emphasis is the offering of a baccalaureate program that fosters the total education of each student. Central to that mission is a strong commitment to international education, to the liberal arts, to professional and preprofessional programs, and to the complementary relationship that must exist between liberal and professional education in order to prepare individuals for success in careers and lifelong learning.

Inherent in its international approach to undergraduate education is the College's desire to prepare its students to understand world affairs, international issues and other cultures as seen through their history, geography, language, literature, philosophy, economics and politics. Knowledge and understanding of other cultures of the world also promote better understanding of our own valuable cultural diversity.

Missouri Southern's commitment to the liberal arts is reflected in a comprehensive program of general education requirements for all students to ensure that they have a breadth of educational experiences which will enable them to develop communication and critical thinking skills and to acquire and apply aesthetic, contemporary, civic, international, historical, mathematical, scientific and value-oriented perspectives.

The faculty and staff of Missouri Southern State College emphasize quality teaching and learning as the most important attributes of the College, complemented by scholarly and creative expression and dedicated community service. Community service involves responsiveness to the Southwest Missouri region as well as serving as the intellectual, creative and cultural center of the area.

In order to remain loyal to the trust given to the College by the people of the State of Missouri, Missouri Southern State College will:

- fulfill its mission and objectives in an honorable and ethical manner;
- periodically review its mission in light of contemporary changes in society and in the needs of the people of Missouri;
- continually assess the effectiveness of its programs in order to ensure their quality and integrity.

International Education

On June 15, 1990 the Board of Regents of Missouri Southern State College approved a recommendation to pursue an international approach to undergraduate education.







The move to an international approach to our educational mission is prompted by the realization that the successful citizens of the 1990s and the 21st century will have to possess better knowledge and awareness of the people, languages and cultures of other countries of the world. The dramatic changes that are taking place in the economic and political systems of Russia and Eastern European countries as well as the challenge by Asian and European countries to American economic leadership make self-evident the need for a college education with a strong global perspective.

In July of 1994, Governor Mel Carnahan signed into law House Bill No. 442 in which Section 1 reads as follows: *"The Missouri Southern State College located in Joplin, Jasper County, is hereby designated a moderately selective institution which meet the needs of the citizens, businesses, and industries of its service area as defined in section 174.010, RSMo, as well as counties contiguous to Jasper County. The institution shall develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission."*

Thus, with a stroke of a pen, the Governor of Missouri provided MSSC and its students a very distinctive status among colleges and universities in Missouri. With it goes the official state support for new, exciting initiatives that will enable Missouri Southern State College to provide its students with international programs and activities to prepare them well for the challenges of a 21st century.

It is a well accepted fact that in today's economy a high school diploma is not enough anymore to secure a comfortable standard of living for one's family. As we have moved from the industrial to the information age, the well-paying assembly line jobs of the past are unfortunately disappearing and giving way to jobs that require a good college education. Thanks to the designation, Missouri Southern will be in a position to lead the state institutions in the development of college graduates who can face with confidence the new emerging global environment.

Missouri Southern State College is phasing in over several years, different programs and activities designed to internationalize our college. Among these are included:

-  Revising the curriculum to include a global perspective in every possible course.
-  Expanding the teaching of foreign languages to include, among others, Russian, Chinese, Arabic, Italian, Japanese, etc.; in addition to German, French and Spanish.
-  Increasing opportunities for Missouri Southern students to study abroad.
-  Staging conferences and lectures on world affairs, as well as cultural and artistic programs with international performers.
-  Creating new courses in international studies.
-  Increasing the participation of international students.

As these programs are implemented, our present and future students should take advantage of them and prepare for the global environment of the future.

A Student's Guide to the Baccalaureate Degree

Non Scholae Sed Vitae Discimus
"Education not for a living, but for life."

We the faculty at Missouri Southern believe that you achieve a complete education through an interrelated program of study which includes the **Core Curriculum** and **classes** in your **major**, as well as the extra-curricular opportunities available to you that complete the total collegiate experience. We realize that over a lifetime many of you will change occupations and careers several times. While

specialized knowledge in your field is essential, we believe that certain lifelong thinking and learning skills and a common body of knowledge are critical for an understanding of yourself and your larger community and for career advancement in the 21st-century marketplace. Specifically, we are committed to assist you as an undergraduate to

- Acquire knowledge, both in breadth and depth, through exposure to a wide variety of disciplines and through majoring in your chosen field.
- Communicate with precision and style and to think clearly and critically.
- Achieve competence in quantitative skills.
- Know the methods of inquiry and thought necessary for understanding nature, society and self.
- Sharpen your awareness and appreciation of other cultures with their differing values, traditions and institutions.
- Develop lasting intellectual and cultural interests.
- Learn more about yourself and demonstrate mature decision-making skills.
- Achieve greater social maturity and tolerance for human diversity through the experience of working closely with a wide variety of fellow students and faculty members.

Core Curriculum

The Core Curriculum at Missouri Southern is a carefully designed series of courses that all students earning a bachelor's degree must complete. It is our effort to furnish you a liberal education. But why? What about the Core is so important that it constitutes nearly half of the credit hours necessary for your degree?

One way to answer that question is to reflect on another: What does it mean to be well-educated? After all, that is what a college degree

signifies, that you are a well-educated man or woman. While the question has generated much debate and while there is no simple answer, most agree that a well-educated person possesses certain fundamental intellectual skills, a broad knowledge of the world and a deep knowledge of a particular subject. While pursuit of a major field of study furnishes knowledge in depth, it is the Core Curriculum that seeks to arm you with the powers of mind and the breadth of knowledge that characterize the well educated.

Goals of the Core Curriculum

The College defines three broad powers of mind that are essential to the well-educated:

Communicating. Well-educated people can communicate effectively to inform, to understand, to analyze and to persuade, and they do so not only with words but with numbers, graphs and symbols. Whether reading or listening, speaking or writing, our graduates can communicate well.

Critical thinking and problem solving. Critical thinking means to look at the world from a variety of perspectives, weigh evidence, sort through implications and think clearly towards understanding. Our graduates can think critically to solve problems—be they scientific, social, or personal—analyzing them and devising solutions.

Clarifying values. All choices are guided by value judgments, judgments about the way things ought to be. A well-educated person can identify personal values and the values of others, understand how such values develop and analyze the implications of choices made on the basis of value judgments.

The College defines three broad areas of knowledge the well-educated must master:

Functioning within social institutions. A well-educated person must understand the complex fabric of society: governmental and economic systems, religion, family institutions, civic duties, the worlds of work and play—the whole range of things that constitute a culture. Our graduates can understand the influence social institutions have on themselves and others.

Understanding science and technology. Science is one of humanity's most important tools for understanding the world, and technology for controlling it. Well-educated people possess not only a fundamental scientific and technological knowledge but also the capacity to evaluate the impact of science and technology upon humanity and the environment.

Understanding the arts. The arts are another of humanity's most important tools for comprehending existence, but the diverse arts—from literature, film and theatre to architecture, music and painting—also enrich experience. A well-educated person can analyze and interpret works of art and also analyze how they express and in turn influence a culture.

These six goals have shaped the faculty's design of your Core Curriculum. From one point of view, the Core Curriculum is still an array of courses from which students choose. But it is more than that. The word *core* is derived from a root that means heart. We the faculty believe that your experience in our Core Curriculum is the heart of an excellent education. It also provides the foundation for your study of your major.

Three major strands are woven into the college's curriculum in both the Core and the major: writing, computer literacy and international education. First, because writing is among the most crucial skills, Southern ensures that writing permeates the total course of study, starting in freshman composition courses and continuing through writing intensive courses in each major. Second, no one unfamiliar with computers will be prepared to face the 21st Century, so Southern has devised a computer literacy program to enable all its graduates to use these powerful tools. And third, as detailed elsewhere in this catalog, Southern has a special emphasis in international education. An awareness of other peoples, languages and cultures is becoming increasingly necessary. In every possible course, the curriculum includes a global perspective.

Your Major

The College offers more than 60 majors in a wide variety of fields. Your pursuit of your major will furnish you with the knowledge in depth that is also characteristic of a well-educated person. Some students come to Southern with a clearly defined idea of their major; others come uncertain, relying on their exposure to the Core Curriculum and on experimenting with a few elective courses to help them choose.

In either case, when you emerge with your baccalaureate degree, you will have mastered a body of knowledge that sets you apart from well-educated people in other fields. Often it is your mastery of a particular discipline that makes you of great value in the workplace. Not only do you emerge knowing a great deal, but you also emerge armed with the power to learn more, to extend your knowledge.



Special Features of Missouri Southern State College

A comprehensive education fostering life-long learning is the aim of our liberal arts curriculum. Southern strives to present the best in higher learning. The following features distinguish our college.

Emphasis on Teaching. The heritage of Missouri Southern is that of an undergraduate college where the interaction between teacher and student is of primary importance in the learning experience. Here you will be taught by professors with degrees from the most prestigious universities across the nation.

International Mission. The world is changing rapidly and dramatically. The future will belong to those who have an understanding and appreciation for the world beyond the boundaries of our country. That is why Missouri Southern has chosen to emphasize the global aspects of our entire curriculum and to add the international dimension to all of our courses wherever possible.

Assessment of Outcomes. Missouri Southern continually assesses the effectiveness of its programs, including the Core Curriculum and all the majors. The assessment information helps us revise and improve our programs. In this way, we ensure our curriculum is dynamic and up-to-date and not a static monument to past practice.

Total Collegiate Experience. A great deal of college education happens outside the classroom. An array of extracurricular activities is offered to meet almost every academic and social interest. In addition, a variety of services are available for the student to meet educational and personal needs.

Diverse Student Body. Not all students at Southern are the same age or from the same region or nation. We see its sizable enrollment of nontraditional students (those over 25) and international students as a great advantage. Rarely do we find "real world" situations in which people interact exclusively with others of their own age and hometown. On our campus, students come to see each other as friends and allies and learn to develop healthy and supportive relationships with a variety of people.

Enrichment Programs. Your opportunity for total education is enriched through a variety of special programs including the Honors Program, study abroad at Oxford University and Cambridge University in England, Folkhögskola in Sweden and in Mexico at Morelia, Michoacan, internships and independent study opportunities and special cultural events such as the biennial Missouri Southern International Piano Competition.

More complete information on each of these features is found in the catalog. And of course, our faculty and staff are always willing to help you in any way to make the most of your college experience. Don't hesitate to ask. We're here for you!

Assessment of Outcomes

Goals of Assessment of Outcomes

Assessment is an on-going, cyclical effort of identifying goals, developing programs to achieve those goals, evaluating the effectiveness of the programs, analyzing the results, redefining the goals and improving the programs. That cycle is a basic responsibility of all faculty and administrators. Stated goals of outcomes assessment at Missouri Southern are:

1. **Evaluation of institutional effectiveness by research and assessment of:**
 - a. Core Curriculum programs and school departments
 - b. Academic and developmental student outcomes
2. **Improvement of both academic and student affairs programs:**
 - a. To increase student academic and developmental outcomes
 - b. To increase student retention and degree completion
3. **Provision of data needed for long-range planning to fulfill the college mission**
4. **Fulfillment of governmental mandates**

In its mission, Missouri Southern is committed to developing effective programs to fulfill the needs of the students while developing knowledge, skills and positive attitudes. In order to accomplish that goal, on-going assessment is conducted not only by professors in the classes offered each semester, but also by faculty and administration in annual program reviews. The Center for Assessment and Institutional Research assists faculty and administration in gathering data for those reviews. In addition, a Faculty Assessment Advisory Committee meets regularly with the administration to study current assessment methods and make recommendations for improvement of the College's assessment program.

Program for Assessment of Outcomes

Importance of assessment for college accountability is underscored by a **Board of Regents Policy which requires that students participate in assessment activities when requested.** Information obtained from standardized tests, faculty developed tests, surveys, student research, portfolio review, student interviews and performances is used to develop both quantitative and qualitative data needed for the analysis phase of our assessment plan. Three identified areas of student outcomes are assessed each year: Core Curriculum, departmental majors and student development. In addition, follow-up studies of alumni and employers are conducted periodically.

Core Curriculum: Data for study is gathered each year by administering a standardized test and needed surveys to incoming freshmen and exiting seniors. The ACT COMP (American College Testing College Outcome Measures Program) is a standardized test used to measure the impact of a Core Curriculum on students as they progress through a degree program. Students are called upon to analyze, synthesize, apply and evaluate information, rather than just to recall or recognize content.

Departmental Majors: The faculty and administration of each department are responsible for evaluating the effectiveness of their programs. All departments have developed outcomes assessment programs for graduating seniors. Information gathered from quantitative and qualitative assessment is used by the department to review programs. A variety of assessment methods are used by the various departments.

Departments which offer degrees that lead to state or national certifications use the required standardized tests for entrance and certification as their quantitative measures. These departments include computer information science, dental hygiene, education, medical technology and nursing. Departments which use standardized major field tests that are offered by the Educational Testing Service or by their particular professional organization include biology, business administration, chemistry, English, environmental health, history, management technology, mathematics, physics, sociology, music, and psychology.

In major areas where standardized tests are currently unavailable, departmentally developed assessment plans have been implemented. The plans utilize one or more of the following methods: faculty developed exams, portfolio review, student interviews, external examiners, capstone projects and simulations, among others. The art, communications, criminal justice administration, political science, Spanish and theatre departments have developed such plans.

Student Development: The impact of a college is not limited to the classroom. While Core Curriculum and departmental major assessment is focused on knowledge and skill outcomes, student development assessment focuses on social and personal growth of students both inside and outside of the classroom. Surveys and opinionnaires are the primary methods of gathering data to assess student development. Data are collected from entering and graduating students each year to assess current attitudes and opinions as well as trends in that information. Missouri Southern State College participates in three rotating statewide surveys which give us comparative data from currently enrolled students, alumni and employers of our graduates.

National Recognition for MSSC's Assessment Program

MSSC's Assessment Program has been recognized as exemplary by American College Testing, Inc. (ACT). The program was featured in ACT's Winter 1997 newsletter. Several presentations at national assessment and research meetings have highlighted MSSC's Assessment Program as a model for other institutions. MSSC's program is in the top six percent nationally for programs using assessment results to make curricula decisions. This is only possible with the support and vision of our Board of Regents, administration, and faculty.

MSSC Students Report Higher Satisfaction Than National Samples

ACT Student Opinion Survey Report of Satisfaction Averages for Selected College Environment Items in 1996

Item Text	MSSC Seniors	Public Coll. Sample	National Sample	MSSC-Public Coll. Difference
Instruction in your major field	4.30	3.89	3.94	.41*
Out-of-class availability of your instructors	4.26	3.83	3.94	.43*
Attitude of the faculty toward students	4.32	3.86	4.00	.46*
Class size relative to the type of course	4.52	3.98	4.14	.54*
Availability of your adviser	4.34	3.70	3.81	.64*
Value of information provided by your adviser	4.11	3.62	3.72	.49*
Classroom facilities	4.05	3.67	3.72	.38*
General registration procedures	3.78	3.38	3.49	.40*
Concern for you as an individual	3.77	3.30	3.49	.40*
Opportunities for student employment	3.69	3.24	3.33	.45*
This College in general	4.18	3.87	3.91	.31*

*Difference statistically significant at the .001 level.

As the table above indicates, Missouri Southern students consistently report high satisfaction rates with the campus culture and personnel.

Results of Assessment of Outcomes Core Curriculum

As our Assessment program matures, we have an ongoing commitment to use the data collected from tests, surveys, etc. to analyze trends and link results to the planning process. Teams of students, faculty, administrators and staff have studied the data. Assurance of the quality and effectiveness of our Core Curriculum has been the result.

For example, the Core Curriculum study resulted in a consensus that what we teach in our Core fits our mission, but how we teach in the Core and major should be the focus. To that end several initiatives on campus are studying new approaches to involve students more effectively in the learning process, teaching, modeling and requiring critical thinking and communication skills be used as students complete coursework. (Also a variety of tests are being piloted to have multiple measures of student performance.) Inventories of the Seven Principles of Good Practices in Undergraduate Education from students, faculty and administration will help us understand how we can improve the process of learning at Missouri Southern.

Missouri Southern State College ACT-COMP Examination 1995-1996

Class	Total Score Mean	Number of Students Tested
Freshman	172.9	665
Seniors	184.6	570

The table above amplifies the positive impact on students at Southern from their Core Curriculum experience. Mean gain scores of our seniors who took the test as freshmen show significant gains in the 60th+ percentile range. This helps confirm our approach to the Core. Longitudinal data since 1987 has helped shape improvements and confirmations of success with this program.

Results for freshman taking the ACT-COMP exam show that students score highest in Clarifying Values and Using Science and Technology when comparing all six suboutcome categories. Senior results show the greatest gains are made in these same two areas as well as Solving Problems.

10 / *Assessment*

Departmental

Departments are using their assessment data to make decisions on revising or continuing established curriculum. Departmental assessment shows positive outcomes in all areas. Some examples follow:

Teacher Education: Graduates of Missouri Southern's teacher education program have taken the National Teachers Examination since 1969. Each graduating senior takes the Professional Knowledge and a Teaching Specialty Test in the area of subject expertise. Averages of Southern graduates from the education program have scored above the national average consistently through the years.

In 1996, for example, 72 percent of the graduates of this program scored at or above the national average range. Another indication of the high quality of student Missouri Southern attracts and graduates is the average score of 22.2 on the ACT entrance examination.

Communications: From the multiple measures this department uses for assessment, information flows to

both students and faculty. The result is that students and the curriculum are both continually improving. Projects include self studies, use of outside evaluators, surveys of current students and alumni, exit interviews for seniors, a nationally normed test in communication apprehension, a capstone course, faculty retreats and student focus groups.

Business Administration: Seniors are assessed through a capstone course experience which includes taking the Major Field Achievement Test. A case approach requires students to demonstrate knowledge of previous classes in the major. They are mentored to conceptualize ideas to form strategies.

Health Programs: Graduates of the Nursing Program traditionally excel on the State Board Examination. Few programs can match our successful record - 100 percent of all Nursing Graduates since the program's 1968 inception have passed the NCLEX certification test. Health programs such as Dental Hygiene and Radiologic Technology have had similar successes.

Fee Policies

Schedule of Fees

Tuition and Incidental Fees For 1997-98

Tuition (<i>per credit hour</i>)	
Missouri residents	\$72.00
Non-residents	\$144.00
Textbook Rental Fee (<i>per credit hour</i>)	\$4.00
Equipment Use Fee - full time students	\$20.00
part time students	\$10.00
Student Activity Fee - full time students	\$20.00
part time students	\$10.00
Parking Fee	\$5.00
Records Fee	\$3.00

Other College Fees

Application for Admission (<i>non-refundable</i>)	\$15.00
Change of Class Schedule (<i>add/drop fee</i>)	\$5.00
Late Registration	\$10.00
Student ID (<i>first time students</i>)	\$ 2.00
(replacement card)	\$5.00

Special Course Fees

Applied Music (<i>per credit hour</i>)	\$65.00
Art Materials (<i>varies with course</i>)	\$5.00 - 25.00
Dental Hygiene (<i>first term</i>)	\$999.00
Education Course Materials	\$2.00 - 8.00
(<i>varies with course</i>)	
EMT-Paramedic	\$611.00
Freshman Orientation	\$10.00
Manufacturing Technology	\$15.00
Music Recital (<i>senior music majors only</i>)	\$50.00
Music Techniques	\$100.00
Nursing	\$100.00
Photography	\$25.00
Law Enforcement Academy	\$550.00
Radiologic Technology (<i>first term</i>)	\$100.00
(<i>all other terms</i>)	\$40.00
Science Laboratory Breakage and Materials	cost
Science Courses with Labs	\$5.00

Residence Hall Fees

Residence Hall Cost (<i>per semester</i>)*	\$1620.00
Apartments (<i>per semester</i>)*	\$1635.00
Refundable Security Deposit	\$100.00

*Payable in five (5) payments

Other incidental fees for supplemental class materials, testing or other course-related costs may be assessed as required.

The College reserves the right to change fees without notice.

Payment of Fees

1. Tuition and Incidental Fees

For all students who have pre-registered, at least 50% of the semester charges must be paid two weeks prior to the first day of classes for that semester. The remaining balance on account will subsequently be due before the end of the third week of the semester. Failure to remit the first 50% installment according to these payment terms will result in an immediate drop from all pre-registered classes before regular registration.

For students who enroll during regular registration, payment of 100% of the fees charged will be due and payable on the day of registration. Failure to remit the balance due will result in an immediate drop from the student's class schedule.

Statements of account will be mailed to all pre-registered students prior to the initial payment deadline. Final statements will be mailed at the end of the first week of the semester.

It is extremely important to realize that a financial obligation is incurred at the time of enrollment. Services are rendered as of the first day of class so unless a student officially withdraws prior to that day, fees will be assessed in full. No reduction in charges according to the College refund policy will be credited to the student's account until an official withdrawal is completed. Failure to pay fees in accordance with the stated payment plan will not necessarily relieve the financial obligation incurred if the student is dropped for non-payment.

Students expecting their fees to be paid through financial aid sources must have all documentation filed with the Financial Aid Office by August 1st for the Fall term, and by January 1st for the Spring term in order to receive consideration for payment deferment.

Students enrolled in evening classes for regular college credit courses, applicable toward an associate or baccalaureate degree, are subject to the same fees, rules and regulations as set forth for students attending day classes. Special fees for classes not applicable toward a degree program will be announced in the Evening Session Bulletin.

Students enrolled in summer classes will be subject to the same fees, rules and regulations as followed in the Fall and Spring semesters immediately preceding the Summer Session.



Appeals concerning special problems pertaining to fees should be directed in writing to the Treasurer in Hearnese Hall, Room 210.

2. **Residence Hall**

Students will not be permitted to move into the Residence Halls without remitting payment of at least 50% of tuition and 40% of Residence Hall fees.

As stated in the contract agreement, students will be responsible for the full semester fee, except as specified in the contract, once they have checked into the Residence Halls even upon complete withdrawal from school. The security deposit will be refunded only if the terms of the contract have been fulfilled.

Explanation of Fees

Admission Application Fee - a non-refundable administrative fee required upon submission of an application for admission.

Change of Class Schedule - an administrative fee charged for each class change (add or withdrawal) made after the first week of the semester.

Equipment Use - an incidental fee assessed each semester which enables the College to provide the most technologically current equipment for use in the classroom and laboratories. All fees collected will be used solely for the purchase of equipment which will directly benefit the students in their college course work.

Late Registration - an administrative fee assessed to students who enroll for classes after the first full week of the semester.

Parking - an incidental fee assessed each semester to cover all costs associated with vehicle registration, roadway & sidewalk maintenance and campus security.

Records Fee - an incidental fee assessed to all students each semester to cover an unlimited number of transcripts, cap and gown and diplomas. This replaces the old transcript and commencement fees.

Special Course Fees - fees charged for additional course materials or services supplied by the instructor. (Courses include but are not limited to art, music, education, nursing, dental hygiene and photography).

Student Activity - an incidental fee assessed each semester to support various aspects of campus life including student activities, student government, student publications and other events and services provided by the College.

Student I.D. Card - a one-time fee assessed to all new students allowing the issuance of a photo identification card. This card is required not only for identification purposes but also must be presented in order to check out library materials, to be admitted to campus activities, to obtain meals under the Residence Hall meal plan or to conduct business in various campus offices such as Financial Aid, Cashiers Office, Ticket Office, etc.

Textbook Rental - a per credit hour fee assessed for the use of rental textbooks. The College operates a rental system through the College Bookstore which allows the use of the required textbook by the student for one semester. Before rental books may be issued, the student is required to have paid at least 50% of the total fees due for the semester. Students are required to return these textbooks within 24 hours of the completion of their last final exam for the term. It should be noted that some classes may require the purchase of supplemental books and materials not available through the rental system. These materials will not be billed to the student's account but must be paid for at the time they are purchased at the College Bookstore.

**Refund Policy
(Except for Residence Hall Charges)**

During the course of any semester, if a student finds it necessary to drop individual classes or fully withdraw from college, the fee refund policy is as follows:

For Fall and Spring Semesters

Prior to the end of the first week of classes	100% refund
Second through fifth weeks	60% refund
After the fifth week.	0% refund

For Summer Semester

Prior to June 12, 1997	100% refund
June 16 through June 26, 1997	60% refund
After June 26, 1997	0% refund

Withdrawal from classes during the refund period means that the student will be responsible for 40% of the cost of tuition.

First time students at the College who receive Federal financial aid under Title IV and who totally withdraw from classes during their first academic year shall receive a pro-rata refund based on a Federally mandated schedule. Copies of the refund schedule are available in the Business Office.

To be eligible for a refund, the student must formally complete a drop or a withdrawal form and submit it to the Registrar's Office. Failure to attend classes will not constitute a withdrawal.

If the student withdraws after payment of any or all fees for the semester, any monies due to the student will be mailed after fee refunds have been applied. However, if the college costs have been paid partially or fully by financial aid (scholarships, grants, loans, other government assistance programs, etc.) the refund monies will be first applied to the financial aid program source. Once these awards have been fully refunded, any remaining balances will be forwarded to the student.

All refunds must be claimed during the term for which the refund applies. Students who feel that individual circumstances warrant exceptions to this policy may appeal in writing to the Treasurer. This appeal must be made during the term for which the refund applies.

For policies concerning fee refunds for Residence Hall charges, please refer to the Residence Life contract.

June 1997

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July 1997

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August 1997

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September 1997

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October 1997

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November 1997

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Academic Calendar

1997 SUMMER SEMESTER

June 6	.....	Day and Evening Registration
June 9	.....	Classes Begin
June 12	.....	Last Day for Full Refund of Fees
June 16	.....	Add/Drop Fees and Late Registration Fees Begin
June 26	.....	Withdrawal After This Date No Refund of Fees
July 4	.....	4th of July Holiday
July 17	.....	Last Day to Withdraw From a Class with a "W"
July 28	.....	Last Day for Complete Withdrawal from College with all "W's"
July 30	.....	Last Day of Classes
July 28-31	.....	Final Examinations (Evening Classes)
July 31	.....	Final Examinations (Day Classes)

1997-1998 FALL SEMESTER

August 21	.....	Day and Evening Registration
August 22	.....	Faculty Study Conference & Day Registration
August 25	.....	Classes Begin
August 29	.....	Last Day for Full Refund of Fees
September 1	.....	Add/Drop Fees & Late Registration Fees Begin
September 1	.....	Dismissal for Labor Day
September 26	..	Withdrawal After This Date No Refund of Fees
October 24	.....	Last Day to Withdraw From a Class with a "W"
November 26-28	.....	Dismissal for Thanksgiving Holiday
December 1	.....	Classes Resume
December 8	.....	Last Day for Complete Withdrawal from College with all "W's"
December 12	.....	Last Day of Classes
December 15-19	.....	Final Examinations
December 19	.....	End of Semester

1997-1998 SPRING SEMESTER

January 15	.....	Day and Evening Registration
January 16	.....	Faculty Study Conference & Day Registration
January 19	.....	Classes Begin
January 23	.....	Last Day for Full Refund of Fees
January 26	.....	Add/Drop Fees & Late Registration Fees Begin
February 20	.....	Withdrawal After This Date No Refund of Fees
February 25	.....	Senior Assessment Day
March 20	.....	Last Day to Withdraw From a Class with a "W"
March 23-27	.....	Spring Break
May 11	.....	Last Day for Complete Withdrawal from College with all "W's"
May 13	.....	Last Day of Classes
May 14	.....	Reading Day — No Finals
May 15-21	.....	Final Examinations
May 21	.....	End of Semester
May 23	.....	Commencement
May 25-June 6	.....	Intersession

December 1997

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

January 1998

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February 1998

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

March 1998

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April 1998

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

May 1998

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

June 1998

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

July 1998

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

August 1998

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

September 1998

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

October 1998

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

November 1998

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Academic Calendar

1998 SUMMER SEMESTER

June 5	.....	Day and Evening Registration
June 8	.....	Classes Begin
June 11	.....	Last Day for Full Refund of Fees
June 15	.....	Add/Drop Fees and Late Registration Fees Begin
June 25	.....	Withdrawal After This Date No Refund of Fees
July 2	.....	Dismissal for 4th of July Holiday
July 16	.....	Last Day to Withdraw From a Class with a "W"
July 27	.....	Last Day for Complete Withdrawal from College with all "W's"
July 29	.....	Last Day of Classes
July 27-30	.....	Final Examinations (Evening Classes)
July 30	.....	Final Examinations (Day Classes)

1998-1999 FALL SEMESTER

August 20	.....	Day and Evening Registration
August 21	.....	Faculty Study Conference & Day Registration
August 24	.....	Classes Begin
August 28	.....	Last Day for Full Refund of Fees
August 31	.....	Add/Drop Fees & Late Registration Fees Begin
September 7	.....	Dismissal for Labor Day
September 25	...	Withdrawal After This Date No Refund of Fees
October 23	.....	Last Day to Withdraw From a Class with a "W"
November 25-27	.....	Dismissal for Thanksgiving Holiday
November 30	.....	Classes Resume
December 7	.....	Last Day for Complete Withdrawal From College with all "W's"
December 11	.....	Last Day of Classes
December 14-18	.....	Final Examinations
December 18	.....	End of Semester

1998-1999 SPRING SEMESTER

January 14	.....	Day and Evening Registration
January 15	.....	Faculty Study Conference & Day Registration
January 18	.....	Classes Begin
January 22	.....	Last Day for Full Refund of Fees
January 25	.....	Add/Drop Fees & Late Registration Fees Begin
February 19	.....	Withdrawal After This Date No Refund of Fees
February 24	.....	Senior Assessment Day
March 19	.....	Last Day to Withdraw From a Class with a "W"
March 22-26	.....	Spring Break
May 10	.....	Last Day for Complete Withdrawal from College with all "W's"
May 12	.....	Last Day of Classes
May 13	.....	Reading Day — No Finals
May 14-20	.....	Final Examinations
May 20	.....	End of Semester
May 22	.....	Commencement
May 24-June 5	.....	Intersession

December 1998

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

January 1999

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February 1999

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March 1999

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April 1999

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May 1999

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Alumni House

Alumni Office
Missouri Southern Foundation

Firing Range
Law Enforcement
Regional Crime Laboratory

Art Department
Spiva Art Gallery of MSSC

- Bookstore
- Food Service
- Meeting/Game Rooms
- Career Planning/Placement
- Public Information Office
- Student Activities, Student Services
- Ticket Office

Picnic Pavilion
Solar Energy Laboratory

Dean of Technology
Emergency Medical Technology
Paramedic

Administrative Offices
Admissions, Financial Aid

Counseling
English Department
Registrar

Central Receiving
Campus Security
Greenhouse

Business Administration
Computer Science
Matthews Hall Auditorium

Biology, Mathematics,
Physical Sciences Departments

Computer Labs
Meeting Rooms
Recreational Facilities

Student Residence Halls
Stults Memorial Garden

Child Development Center
Psychology Department
Teacher Education Department

Drafting/Design
Dental Hygiene Departments
Manufacturing Technology

Communications Department
Continuing Education
Honors Program
KOZJ Office
KXMS Radio
MSTV Studio
Social Science Department
Webster Hall Auditorium

Kinesiology Department
Sports Information Office
Swimming Pool/Racquetball
Varsity Athletics

VP - Visitor Parking

Joe Becker Stadium, home of the Baseball Lions, is on 3rd and High Streets.

Correspondence

Missouri Southern State College • 3950 E. Newman Road • Joplin, Missouri 64801-1595
(417) 625-9300

1-800-606-MSSC

(admission, financial aid, athletics, housing)

Academic Affairs	625-9394	Missouri Southern Foundation	625-9396
Admission Office	625-9378	MSTV	625-9375
Athletics (men)	625-9317	News/Publications	625-9399
Athletics (women)	625-9316	Orientation	625-9542
Alumni Affairs	625-9396	Physical Plant	625-9331
Bookstore	625-9380	Public Information Office	625-9399
Business Affairs	625-9728	Purchasing	625-9388
Cafeteria	625-9546	Residence Halls	
Career Services	625-9343	Blaine Hall	659-4107
Catalog & bulletins	625-9378	McCormick Hall	659-4190
Child Development Center	625-9360	Student Life Center	659-4461
Continuing Education	625-9384	Safety & Security	626-2222
Counseling	625-9324	School of	
Credit evaluations/transcripts	625-9389	Arts & Sciences	625-9385
Crime Laboratory	625-9382	Business Administration	625-9319
Dental Hygiene Clinic	625-9379	Education	625-9314
Evening Session	625-9394	Technology	625-9328
Faculty appointments	625-9394	Sports Information	625-9359
Financial aid	625-9325	Student Activities	625-9320
Gifts & Annuities	625-9500	Student Employment	625-9325
Grammar Hotline	624-0171	Student Organizations	625-9320
Honors Program	625-9686	Student Services	625-9392
Housing	625-9522	Summer Session	625-9394
KXMS-88.7	625-9356	Swimming & Racquetball	625-9390
Learning Center	625-9373	Testing	625-9324
Library	625-9386	Ticket Office	625-9366
Loans	625-9325	Veterans Affairs	625-9529

Web Site: <http://www.mssc.edu>

Additional areas (for academic department numbers, see department information in each school)



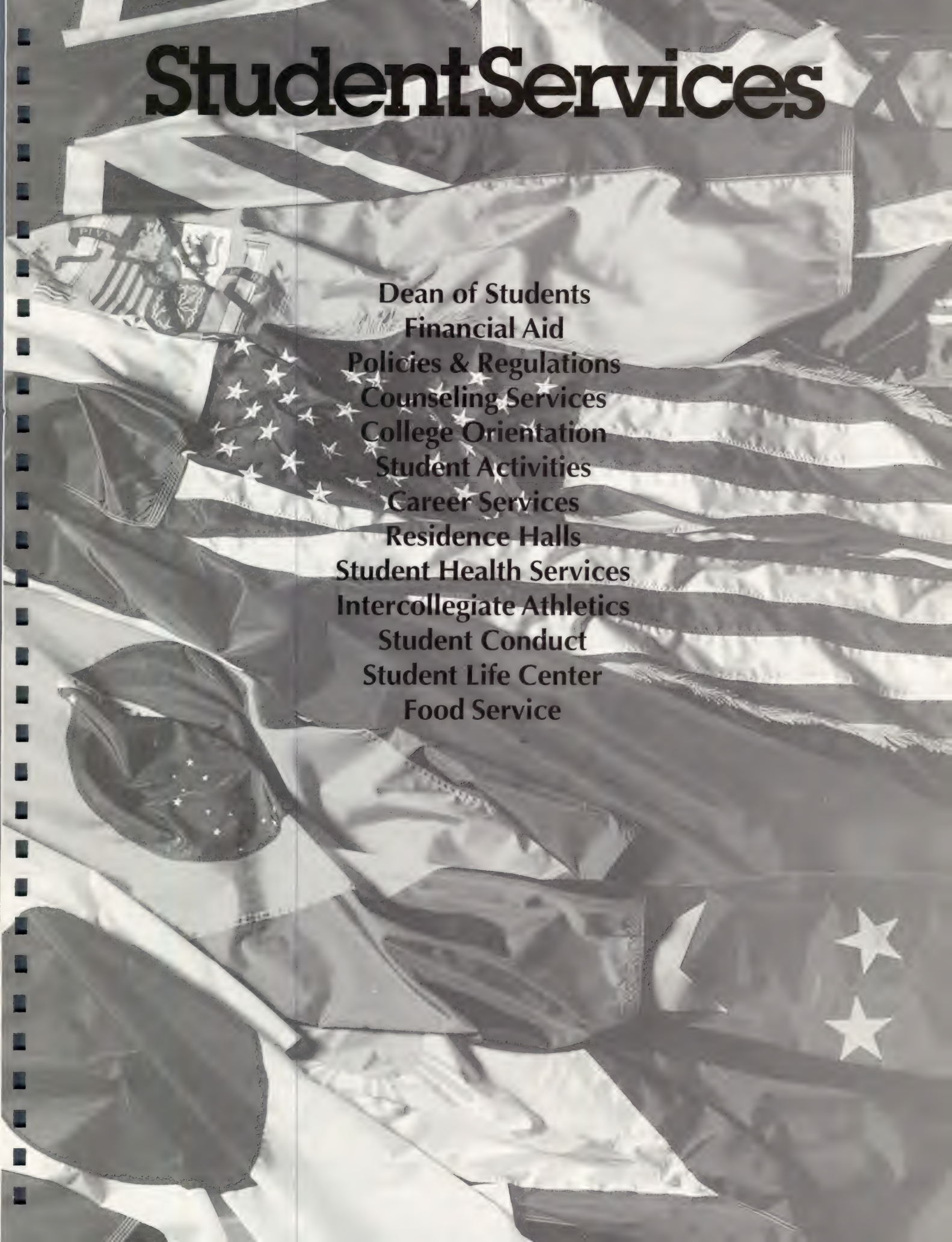


Campuscape

Missouri Southern's modern 320-acre campus is built on the site of the historic Mission Hills Estate, with the Spanish style mansion still a part of the scene. The 15 major buildings nestled in a beautifully landscaped suburban setting were all constructed since 1965. Special campus features include a biology pond frequented by Canada geese and the Stults Memorial Garden with aromatic plants identified with braille signs.



Student Services

The background of the entire page is a collage of American flags. The flags are shown in various orientations, some partially overlapping others, creating a sense of movement and patriotism. The stars and stripes are clearly visible, though the image is in grayscale.

Dean of Students
Financial Aid
Policies & Regulations
Counseling Services
College Orientation
Student Activities
Career Services
Residence Halls
Student Health Services
Intercollegiate Athletics
Student Conduct
Student Life Center
Food Service

Student Services

Dean of Students and Assistant Vice President for Student Services

Doug Carnahan

Billingsly Student Center 211, 625-9531

Staff Carlisle, Foster, Gipson, Goodnight, Mitchell

Purpose and Objectives

Because all education does not take place in the classroom, the Student Services staff provides a wide variety of support services for students at Missouri Southern. The department includes the Student Services Central Office, Dean of Students, Residence Life, Student Activities, and Student Health Services.

With the objective of helping students to fully develop and achieve their educational goals, professional staff members are trained to support students by:

1. providing a campus climate in student residence and campus affairs that is conducive to academic achievement;
2. providing services which will assist in the self-development of all students and promote the understanding of their own purposes for being in college;
3. providing, through student government, student organizations and other activities, both an opportunity to practice democratic living, with both rights and responsibilities, and a chance to learn to work effectively and cooperatively with others;
4. helping each student develop a sense of individual responsibility and self-discipline;
5. interpreting college objectives, policies and rules to students and communicate student attitudes, opinions and activities to the faculty, administration and general public; and
6. providing student health services that meet the emergency and temporary medical needs of all students.

Financial Aid

Mr. James Gilbert

Director of Student Financial Aid

Hearnes Hall 117, 625-9325

Missouri Southern participates in a variety of aid programs to assist qualified students who would otherwise not be able to attend college. These funds – from private, institutional, state and federal sources – are coordinated to meet the individual student's need. There are programs based on various criteria such as financial need, performing ability and academic

excellence. Each program has requirements for maintaining the award and students must meet satisfactory academic progress guidelines for continued assistance. Foreign students are required to present a financial statement certifying they have sufficient funds to pay for all educational expenses. Information in this catalog regarding financial aid is subject to change without notice. Missouri Southern reserves the right to adjust a student's financial aid package to reflect a true change in the student's financial situation. Financial aid awards are subject to changes in institutional policy and State and Federal regulations.

How to Apply for Financial Aid

1. All applicants must complete the Free Federal application for student aid. MSSC prefers the electronic application. Application priority date is February 15; however, awards will be made until all funds are expended. This application will generate a Pell Grant and if applicant is eligible, will be used to apply for work and loans, Missouri Grant and a financial aid report.

Students who have not submitted all necessary financial aid documentation by August 1 for the Fall term and January 1 for the Spring term will be expected to pay their fees in full by the deadlines set out in this catalog. Payment deferments will only be available to those students who meet with the application deadlines and have provided all required documentation for eligibility determination.

2. Processing applicants should bring or mail all copies of the Federal Pell Grant Student Aid Report to the Financial Aid Office as soon as they receive the document.
3. Applicants selected for verification must bring or mail a copy of their own and if under 24, their parent's 1040 Income Tax Form to the Financial Aid Office. These signed documents must be on file before any award will be processed.
4. Applicants must indicate on their application the type of assistance for which they wish to apply. In addition, applicants for PLUS loans must complete a separate loan application.
5. Applicants for Patron Scholarships must complete a scholarship application and return it to the Scholarship Office by March 1.
6. Transfer students must request a financial aid transcript for each college previously attended.
7. Applicant for performing awards should contact the director of the program in which they wish to participate.
8. Applicants for special programs should contact the Financial Aid Office for instructions.

The Missouri Southern State College Title IV Code is 002488

Scholarships	Who Is Eligible	How Much	How to Apply
Honors Program	Students who score 28 composite or above on the ACT Placement Test or 3.5 high school GPA	Full tuition and fees for ACT scores that fall within the 99th percentile	Send test scores to Director of Honors Program and request application
President's Scholarships*	First and second ranking students in each accredited high school in the College's service area with an ACT composite score of 21 or higher	1997-98 \$1200.00	Upon recommendations of high school counselor; scholarship is validated when recipient enrolls as a freshman
Regents' Scholarships*	Awarded directly to high school graduates who score 26 composite score or higher on the ACT and have a 3.0 high school GPA	1997-98 \$800.00	Have ACT Placement Test scores sent to Counseling Office
Deans' Scholarships*	High school graduates who rank in the upper 30% of their graduating class and have a composite ACT of 23 or above. Can not be used in conjunction with the President's, Regents' or Honors Program Scholarships.	1997-98 \$610.00	Contact your high school counselor
Non-Resident Service Area Scholarships	Students graduated from a high school outside of Missouri, but within the college service area. ACT composite of 21 or above and meet admissions criteria.	Equal to the difference between resident and non-resident fees up to 15 hours.	Contact Financial Aid Office
Junior College Transfer Scholarships*	Junior college graduates with a 3.25 GPA and students who have completed 55 hours or more with a 3.25 GPA at a junior college.	1997-98 \$800.00	Complete a Junior College Transfer Application
Non-Resident Junior College Transfer Scholarships	Attended junior college outside of Missouri but within the college service area and successfully completed 55 hours and a 3.25 GPA at the above junior college.	Equal to the difference between resident and non-resident fees up to 15 hours.	Contact Financial Aid Office
Patron's Scholarships	Criteria established by individual donors	Awards range from \$50 to \$2500 as determined by individual donors	Applications available in Financial Aid Office; application deadline March 1
Performing Aid Awards	Students who have demonstrated success or high potential in forensics, journalism, music, mathematics, theatre, baseball, football, golf, softball, volleyball, basketball, soccer, tennis, etc.	Awards range from \$50 to full scholarship consisting of tuition, fees, room and board	Apply directly to the director or sponsor of particular activity

*Students receiving President's, Regents', Deans' and Junior College Transfer scholarships must enroll in and complete at least 12 hours each semester with a 2.5 GPA the first semester and a 3.0 GPA the following semesters.

22 / *Financial Aid*

Scholarships (Con't.)	Who Is Eligible	How Much	How To Apply
COPHE Teachers Scholarship	Graduating H.S. seniors	\$1000	COPHE Scholarship Application
Missouri Teacher Education Scholarship	Upper 15% of graduating class or score in the upper 15% on recognized exam.	\$2000 one time scholarship	Missouri Teacher Education Scholarship application available in the Financial Aid Office.
Robert C. Byrd's Honors Scholarship	Graduating H.S. seniors	\$1500	Byrd Scholarship Application
Missouri Higher Education Academic Scholarship	Graduating H.S. seniors	\$2000	Missouri Higher Education Academic Scholarship Application

Grants	Who Is Eligible	How Much	How To Apply
Federal Pell Grant	Federal Aid program based on financial need. All students should apply.	Grants range from \$200 to \$3700 depending on where the student lives and educational costs.	Complete an approved need analysis; MSSC prefers the electronic application, priority date February 15.
Missouri Student Grant	State funded program for Missouri residents; based on financial need.	Maximum grant not to exceed one-half the cost of tuition and fees.	Complete an approved need analysis. Deadline April 30.
Federal Supplemental Educational Opportunity Grants	Students with exceptional financial need.	Grants range from \$100 to \$4000 per academic year.	Complete an approved need analysis. MSSC prefers the electronic application, priority date February 15.

Employment Programs	Who is Eligible	How Much	How to Apply
Federal Work Study Program	Federal Aid program based on financial need. All students should apply.	Minimum wage, weekly hours based on need.	Complete an approved need analysis. MSSC prefers the electronic application, priority date February 15.
Student Help Program	On-campus employment for students who are qualified to fill job openings.	Minimum wage, weekly hours depend on operational need.	Apply to Student Employment Office or to individual departments on campus.
Job Location & Development	All students unless other aid criteria conflicts.	Minimum wage and up.	Fill out MSSC Employment Application, make an appointment.

Loans	Who Is Eligible	How Much	How to Apply
Federal Perkins Loan	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	Need to \$3000 per year, Aggregate total \$15,000	Complete an approved need analysis. MSSC prefers the electronic application; priority date February 15
Federal Direct Stafford Loans - subsidized	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	1 year up to \$2625 2 years up to \$3500 3 years up to \$5500 4 years up to \$5500 Aggregate total \$23,000	Application and special instructions available in Financial Aid Office. Complete an approved need analysis. MSSC prefers the electronic application; priority date February 15.
Federal Direct Stafford Loans - unsubsidized	Same as subsidized Federal Stafford Loans.	Cost of education minus other aid equals eligibility for independent students. Dependent students are restricted to the above amounts.	
Federal Direct PLUS (Parents Loan)	Parent of regular student must apply for Federal Aid programs.	Cost of education minus other aid equals eligibility.	
Other Assistance	Who is Eligible	How Much	How to Apply
Academic Management Service	All students are eligible for this monthly budget plan which allows payment of fees over a 10-month period and provides insurance coverage for the person making the payments.	Ranges from \$25 to full cost of tuition, fees, room and board; or the difference between total direct educational costs and other financial aid awarded.	Applications available in the Business Office
Veterans' Administration Benefits	Veterans eligibility is determined by when the veteran entered military service, length of duty and several other factors.	Amount varies depending on chapter and enrollment status.	Contact: Veterans' Administration Officer, Veterans' representative on campus or Veterans' Administration Regional Office
Bureau of Indian Affairs	Students who can prove they are at least one-fourth Indian blood.	Awards range from partial tuition to full tuition and fees.	Contact: Bureau of Indian Affairs, Higher Education Office, Federal Building Room 300, Muskogee, OK 74001
Vocational Rehabilitation		Awards range from \$25 to full tuition, fees, room and board.	Contact: Vocation Rehabilitation Office, 1609 East 20th, Joplin, MO 64801

All financial assistance is subject to change without notice to meet federal regulations and availability of funds.

Policies and Regulations

Academic Standards: The student's academic progress will be determined in May of each year. However, if minimum standards of hours or grade point average are not met in the fall semester, the student automatically will be placed on financial probation for the spring semester. If satisfactory progress is made during the fall, but not during the spring semester, the student will be allowed one semester on probation to make up all deficiencies. After the probationary semester, grades will be checked and the number of courses will be verified to see if a minimum standard has been completed. If satisfactory progress is not maintained, the student will be placed on financial suspension until the required GPA is reached or course work is completed.

All financial aid recipients must meet the appropriate GPA as published in the College Catalog, (page 47, Standards of Progress Toward Graduation). After the second year, federal regulations require the student to have a cumulative "C" average or 2.0 GPA or, in cases where a higher GPA is required for graduation, the student must meet that higher GPA. Students receiving financial aid must meet federal guidelines. If the GPA falls below the minimum standard of progress, the student will be placed on probation.

The maximum time in which a student is eligible to receive financial assistance is as follows:

Maximum Semesters of Aid Eligibility			
Degree	Full-Time	3/4-Time	Half-Time
Bachelor	12	18	24
Associate	6	9	12
Certificate	3	5	6

Note: It is automatically assumed that students who do not indicate a degree program are pursuing a baccalaureate degree. All financial aid recipients must complete the appropriate number of hours depending on the categories in which they enroll and receive payment.

All financial aid recipients must complete the appropriate number of hours depending on the categories in which they enroll and receive payment.

Category Completed	Hours per Semester	Hours per year
Full-time	12 or more	21 hours per year
3/4-time	9 to 11	15 hours per year
Half-time	6 to 8	9 hours per year

Note: In calculating the minimum hours completed per year, the following will not be counted: incompletes, repetitions, non-credit remedial courses, audited courses and withdrawals. However, if withdrawal from a class results in a change in

categories, the originally required payment hours must be completed. If the minimum required hours are not completed, the student will be placed on probation. Students who fail to complete the minimum required hours during the academic year (fall and spring) or whose grades are below the minimum, may make up their deficiencies in summer school.

All aid will terminate immediately under the following situations:

1. withdrawal from all classes;
2. failure to meet special requirements of academic progress imposed by the Financial Aid Committee;
3. default on any federally funded student loan or over payment of any Title IV funds; or
4. all "F" grades in a semester.

Appeal Procedures

Students may appeal the suspension of aid to the Director of Financial Aid. After reviewing the file, the Director may reinstate the aid if a course failure was due to medical circumstances, change of degree, change of major or circumstances beyond control.

If the Director denies the appeal, an appeal may be made to the Financial Aid Committee. The student must submit in writing an explanation of any special circumstances in addition to the ones listed that the committee should consider in determining whether any aid should be reinstated. After reviewing student records and written comments, the committee will give written notification of its decision. The notifica-



tion will state whether or not the aid should be continued and the requirements for reinstatement. The decision of the Financial Aid Committee is final.

It is assumed that transfer students are making satisfactory academic progress when they enroll at Missouri Southern. They will be evaluated at the end of their first full academic year.

Students may continue to receive assistance under the following mitigating circumstances: meeting standards or on probation under old policy, medical problems, change of degree objective, change of major or other extenuating circumstances. The Director will determine the validity of these circumstances, provided there is appropriate documentation. Under these circumstances, students need not go through the appeal process.

For further information concerning academic progress, see the Financial Aid Office Procedure Manual in the Financial Aid Office.

Other Duties and Responsibilities of Financial Aid Recipients

Students must report the following changes to the Financial Aid Office:

1. withdrawal from school,
2. a significant change in income,
3. added or dropped classes during the semester,
4. a name change,
5. change of address or change of parents' address,
6. transfer to another college.

Work Study recipients must contact the Student Employment Office for job placement within five days of the beginning of the semester.

Missouri Southern operates on a financial aid data base system which processes applications and awards electronically. It is to the applicant's advantage to use forms and lenders which are capable of processing data by teletransmission. The electronic system requires student signatures on student aid reports, documentation, award letters, loan applications and promissory notes before funds can be processed.

Financial aid funds will be credited to the student account. Once all fees have been satisfied, monies awarded that may go directly to the student will be mailed by check to the address provided at the time of registration. Checks are available at the end of the second week and thereafter every two weeks throughout the semester. Student employment and other checks must be picked up in person at the Business Office upon notification of their availability.

Veterans must sign up for veterans' benefits at the beginning of each semester.



Counseling Services

Dr. Linda Caldwell, Director
Hearnes Hall 114H, 625-9324

The primary goal of Counseling Services is to promote the student's personal development and psychological well-being. Services are provided for individuals with educational, academic, personal, and social concerns. Experienced professional staff members provide individual counseling for academic, career, and personal concerns as well as offer assessment, a variety of tests, inventories, and referral services.

The Counseling Center adheres to the American Counseling Association (ACA) and the American Psychological Association (APA) professional codes of ethics in providing all services. Such services are strictly confidential. No information will be released without the informed written consent of the client.

Academic Advisement

Students who have not declared an academic major area of study will be assigned an adviser from the staff in the Counseling Center. At the beginning of each semester, undeclared majors need to make an appointment with an adviser in the Counseling Center to discuss their academic plans. Later in the semester another appointment needs to be made to enroll for the next semester.

Career Counseling

Students who are uncertain of their major are encouraged to make an appointment with a career counselor to identify, understand and explore academic/career related concerns. Interest, ability, and personality inventories are available as well as a career library to assist in the career decision making process.

26 / Student Services

The CHOICES Program, a computer based career guidance system, is also available and designed to assist students in clarifying values, assessing competencies and interests, making decisions, securing information on occupations, educational opportunities, and selecting appropriate career development strategies.

Testing Services

Missouri Southern is a national testing center for the following examinations:

1. ACT (Placement test for college entrance)
2. NTE (National Teachers Exam)
3. DHAT (Dental Hygiene Aptitude Test)
4. GED (General education development high school equivalency test)
5. MAT (Miller's Analogy Test for graduate school)
6. CLEP (College Level Examinations Program)
7. Michigan Test (English Language Proficiency)

The CLEP (*College Level Examination Program*) is administered by appointment. The student must contact the Counseling Center to register prior to the testing time/day. This program is designed to allow students to receive, upon attaining a passing grade, proficiency credit for core requirements and other freshman/sophomore programs.

The Counseling Center also provides proctors and a testing room for students taking correspondence courses from other accredited institutions. Appointments must be made prior to taking the test. A fee will be charged for each test administered.

All students whose native language is not English, who wish to transfer with 24 hours or more and do not have a TOEFL score of 535, may take, by appointment, the Michigan Test of English Language Proficiency. If proficiency on the Michigan Test is not achieved, the applicant must wait 60 days to retake the test. There is a charge for this test and a passport or green card is required for identification.

The Counseling Center also gives the GED (General Education Development High School Equivalency Test) as a service to the people of Southwest Missouri who were unable to complete their high school education. The person making an acceptable score on the GED test will receive a high school equivalency certificate from the Missouri State Department of Education. Applications for GED testing are available from the Counseling Center.

Non-Traditional Student Program

Students who have been out of school for several years often have unique concerns about returning to college. Workshops to ease the transition to college are offered periodically. A "Return To Learn" course is offered several times each semester as the orientation course for returning students.

College Orientation

Susan Craig, Coordinator
Hearnes Hall 114, 625-9324

To assist all new students in the transition to college life, Southern has designed an orientation program to help them become acquainted with college services, facilities, and policies as well as to introduce helpful social and academic survival skills.

This eight-week course is offered each semester, including the summer. Special orientation courses are designed for transfer, honors, athlete, and non-traditional students. Career development, library skills, study skills, personal issues, and the assignment of an academic adviser are among the major objectives covered in this course.

The program operates in small group settings and is facilitated by peer leaders who have successfully completed a Leadership Training class. There is also a nine-day summer orientation/registration program called FRESH START. Designed for entering students, FRESH START incorporates the efforts of peer leaders as well as faculty advisers to assist in the registration for fall classes and the transition from high school to college.

Veteran Affairs

Veteran Affairs assists eligible students and dependents in their certification to receive VA educational benefits. The veteran student receives assistance in submitting the required VA forms, career/personal counseling, and tutorial services. In order for eligible students to receive VA educational benefits, they must be certified for each enrollment period and the Veteran Affairs Office in the Counseling Center notified of any changes in enrollment.





are made in this office. The office also houses the all-campus lost and found, oversees the 74 recognized student organizations, assists students in organizing or re-instituting student organizations, organizes and supervises Homecoming, and produces and promotes various special events. The Student Center Box Office, also supervised by Student Activities, handles ticket sales for both on-campus and off-campus activities and entertainment.

Campus Activities Board (CAB)

The Campus Activities Board, a student organization supported by student activity fees, has the responsibility for programming social, educational and recreational activities for the entire college community. Students may volunteer to serve on one of the eight CAB committees: concerts, cultural affairs, coffeehouse, dances, movies, speakers, special events, and tour and travel. Interested students may apply in the CAB office on the lower level of Billingsly Student Center.

Student Government

The Student Senate serves as the governing body for students and acts as a liaison between the faculty and the student body. The responsibility for student government rests not only with the student officers, boards and committees but also with each member of the student body. The Student Senate is made up of nine senators from each class, who are elected in the fall, and the executive officers, who are elected in the spring. The Student Senate is funded from student activity fees. Students wishing to speak with a Senate representative may do so via the Student Services Office on the second floor of the Student Center.

Intramurals

The Department of Intramurals offers team and individual athletic activities for Southern's students. Some of the sports in their fall and spring schedules include touch football, ping-pong, 3-on-3 basketball, billiards, tennis, basketball, softball, golf, and volleyball. Information and sign-ups are available in the Pool-Racquetball Office, or by calling 625-9390.

Office of Career Services

Jennifer Yazell

Billingsly Student Center 207, 625-9343

Career Services assists students and alumni in the development of employability skills necessary to conduct a successful job search and in the location of full-time employment. Seniors and alumni can take advantage of on-campus interviews with representatives from business, industry, government and educational institutions. Students are encouraged to visit the Office of Career Services to take advantage of on-campus interviews, job listings in the vacancy bulletin, Career Development Day, Education Job Fair, career success workshops, mock interviews, career advising, assistance in

Other Services

Groups/Couples/Family: Groups are developed to provide a supportive structured environment to promote personal growth and skill development by focusing on particular concerns; such as, adjustment to college life, self-esteem, eating disorders and sexual abuse. Couples or families may work with a counselor in order to identify, understand and resolve personal and relationship difficulties.

Emergency: Crisis intervention is provided to deal with situations requiring immediate attention.

Outreach: Special programs and workshops designed to define and/or to prevent problems and to improve the quality of college life are presented. These offerings provide information, techniques, and skills relevant to specific topics of interest; such as, stress management, test anxiety, self-esteem, and building successful relationships.

Consultation and Referral: The Center's staff is available for consultation by the administration, faculty, staff, and students. The staff also will facilitate referrals to outside agencies and to professionals as needed.

Student Activities

Val Carlisle

Billingsly Student Center 102, 625-9346

The Coordinator of Student Activities works closely with other Student Services personnel and the Campus Activities Board in providing a variety of services for students, faculty and staff at Missouri Southern.

Campus activities are scheduled in the Student Activities Office and reservations for space in Billingsly Student Center

28 / *Student Services*

preparing resumes as well as many periodical and computer resources available in the career library.

Career Services is open Monday and Tuesday nights until 7:30 p.m. to better serve students and alumni.

Residence Halls

Deb Gipson, Coordinator for Student Housing
Student Life Center, 659-4460
Billingsly Student Center 211, 625-9522

The Missouri Southern on-campus residence requirement is as follows: "All freshmen and sophomores under the age of 21, are required to live in the Missouri Southern residence halls to the extent space is available, unless they are married, live with their parents, live with a relative or are excused by the Dean of Students."

The College provides air conditioned residence hall accommodations and meals for approximately 500 full-time students. Concerned with the total needs of the students, the College maintains a safe and comfortable place to live and an adequate physical environment as well as opportunities for learning. The atmosphere in the residence halls contributes significantly to the students' personal growth and maturity.

The residence halls are staffed by two full-time professional resident directors and 18 paraprofessional staff assistants. The governing body for resident students is the Residence Hall Association (RHA) which provides educational, social and athletic programs for the students and acts as a liaison between resident students and the College administration.

Residence hall rooms are fully furnished except for linens and personal items. Cable TV, study lounges, recreational areas, personal computers, vending machines, coin-operated laundry facilities and free local telephone service with voice mail and individual access codes are in the residence halls.

To reserve a room in a college residence hall, a prospective student should request an Application Contract for Room and Board Accommodations from the Missouri Southern Residence Life Office. The completed Application Contract should be returned to this office with a \$100 security deposit. The deposit is retained by the College as long as the student is in residence and refunded upon termination of the contract if all terms of the contract are fulfilled.

This contract, which is a combined contract for room and meals, is effective for the entire academic year (fall and spring semesters) or for the remaining portion of the academic year if entered into after the beginning of the fall semester. Detailed terms will be found on the contract form.

The College is not responsible for the loss of or damage to, any personal property of students.

For detailed rules and regulations governing residence hall living at Missouri Southern, contact the Residence Life Office, Room 211, Billingsly Student Center.

Student Life Center

Deb Gipson, Coordinator for Student Housing
Student Life Center 102, 625-4460

The Student Life Center, opened in the fall of 1996, is a state of the art facility focused on providing avenues for the social, recreational and physical development of Missouri Southern students. Located directly behind McCormick and Blaine Halls in the residence hall complex, the center has extended hours to better serve all students, both commuter and resident, plus faculty and staff.

Facilities include a large television lounge equipped with surround sound, a video game arcade, an aerobics room complete with setup for step aerobic and dance classes, a workout area supplied with a variety of cardiovascular and strength equipment, computer lab, laundry room, as well as table tennis, billiards, air hockey, game tables and a study area. Most areas are available for reservation by MSSC student organizations. A centralized mailroom and office provides mail for resident students, and a variety of services for all students.

Future plans include the completion of the dual phase project which will see the relocation of the college cafeteria to a second floor in the Student Life Center.

For more information regarding the center's hours of operation, programs and policies governing the use of the facility, contact the Student Life Center Office, Room 102, Student Life Center.

Food Service

Robert Buckley, Director of Food Service
BSC 206, 625-9546

Food service is bid by the College and handled by a professional food service company. The cafeteria operates on funds received from board payments and cash sales of individual meals.

All residence hall students must contract for board. Board contract includes a 20-meals per week program. Individual meals feature salad bar and unlimited servings, including entrees.

Commuter student who are interested in taking some or all of their meals at the college cafeteria may purchase 20-meal tickets in Business Office. Also, separate breakfast, lunch or dinner tickets are available in the Food Service Office at a much reduced price compared to buying meals separately.

The Lion's Den snack bar also serves breakfast and lunch on a cash basis only Monday through Friday.

Student Health Services

Julia Foster, R.N.
Kuhn Hall 306, 625-9323

The Student Health Center, is staffed with a full-time registered nurse, a full-time and a part-time nurse practitioner, and a physician who holds clinics daily on campus. Appointments to see the nurse or the physician Monday through Friday from 8 a.m. to 4 p.m. can be made by contacting the Student Health Center. All currently enrolled students are eligible for treatment at the Center. Some of the services offered are: first aid and injury care, allergy injections, TB skin testing, flu shots (in season) and screening for certain illnesses. Most services are free; however, students are expected to pay for laboratory, x-ray, emergency room, hospital services, gynecological, STD, prescriptions and ambulance service. The Health Center maintains files on current students, including medical history and immunization records. Recommendation and referral to community or campus resources are also part of student health services.

A voluntary accident and sickness insurance plan for students is available from the Student Services Office, Room 211, Billingsly Student Center.

Communicable Diseases

Students must have proof of immunization, including two doses of measles/rubella vaccine, on file in the Student Health Center. When a communicable disease comes to the attention of the College, whether student, faculty or staff member, the College's physician and nurse will assume responsibility for conducting a thorough review based upon the best medical and legal information available. Students who have not been properly immunized or who have not had these diseases may be banned from College property in the event of an outbreak on campus. Any actions taken will respect the confidentiality of the individual as well as the individual's welfare and that of the College community.

Smoking and Tobacco Use Policy

The Board of Regents of Missouri Southern State College prohibits smoking and tobacco use of any kind. Tobacco products are not permitted in any campus buildings. Smoking and other tobacco usage is permitted only outside of buildings.

Intercollegiate Athletics

Jim Frazier, Men's Director
Young Gymnasium 122, 625-9317

Sallie Beard, Women's Director
Young Gymnasium 215, 625-9316

Missouri Southern's athletic program is based on the concept that intercollegiate athletics are an integral part of the total educational process, subject to the same aims, policies and objectives as other departments. The College's sound athletic program provides the benefits of athletic participation while assuring that athletes fulfill their responsibility as students. Though the primary concern is that the athletic program further the educational process, the College must be aware of the public attention that focuses on the institution through intercollegiate sports. While the public attention and the entertainment aspects of intercollegiate sports must be recognized, they are secondary in importance to the role of athletics in the total educational program.

The staff of the athletic department provides quality programs for students who express an interest in various sports. Male and female students have similar opportunities to participate in athletic activities with appropriate support.

The College is a member of the Mid-America Intercollegiate Athletic Association and the National Collegiate Athletic Association, Division II. College teams compete on the intercollegiate level in baseball, basketball, football, golf, soccer, softball, tennis, volleyball, cross country and track.

Student Conduct

In order to provide the best possible environment for personal and intellectual growth, the College has established regulations to guide student conduct. A summary of these rules and regulations is found in the Student Handbook which may be obtained from the Student Services Central Office, Room 211, Billingsly Student Center.

Drug and Alcohol Prevention Program

Pursuant to the Drug-Free Schools and Communities Act Amendments of 1989, Missouri Southern State College is required to establish a drug and alcohol prevention program for its students. The College's program is described below. A biennial review of this program will be done to determine its effectiveness, to implement changes to the program if they are needed and to ensure that the College's disciplinary sanctions are consistently enforced.

Substance Abuse Policy: Students are prohibited from using alcoholic beverages and illegal drugs on College-owned or controlled property and at College-sponsored or supervised activities. Irresponsible alcohol or other drug use off campus resulting in disorderly conduct on campus also is not acceptable. Any student of Missouri Southern State College found to have manufactured, dispensed, possessed or used a controlled substance in violation of the Substance Abuse Policy of this College will be subject to discipline in accordance with College policy and reported to local, state or federal law enforcement authorities for criminal prosecution. Criminal prosecution for these acts could lead to a conviction and such a conviction could result in a sentence imposing a monetary fine, imprisonment in a state or federal penitentiary or both.

Health Risks: Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks:

Alcohol and other depressants (barbiturates, sedatives and tranquilizers): addiction, accidents as a result of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

Marijuana: addiction, panic reaction; impaired short-term memory; increased risk of lung cancer and emphysema, particularly in cigarette smokers; impairment of driving ability.

Cocaine: addition, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

Hallucinogens (acid, LSD, PCP, MDMA, etc.): unpredictable behavior, emotional instability, violent behavior, organic brain damage in heavy users, convulsions, coma.

Narcotics (heroin, Demeral, morphine, Codeine, etc.): addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

Inhalants (gas, aerosols, glue, nitrites, etc.): loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

Resources: A variety of resources exist for drug or alcohol counseling, treatment or rehabilitation programs. A few are listed inside the front of the *Student Handbook*. For more detailed information concerning these resources and others available from the College and/or community agencies, students may contact the Counseling Center (417-625-9595) or the Student Services Office (417-625-9392). Such referrals will respect individual confidentiality.

A main objective of the drug and alcohol prevention program is to encourage healthy attitudes and behaviors on the part of all students and responsible decisions about alcohol/drug use. Another objective is to provide students in certain high risk groups (freshman, Greeks, athletes, residence hall students, etc.) with specific and up-to-date information regarding the long-and-short-term effects of alcohol/drug use. A final objective is to provide students with the necessary skills to help them carry out the decisions they have made in regard to their use or nonuse of alcohol/drugs, and how to effectively handle certain "high pressure" situations.

To meet the above objectives, information and assistance is provided to students in several ways. First, alcohol and drug films are shown and programs conducted in all orientation classes, which are required for all new students. Additional alcohol and drug information is presented in other academic classes, including Kine 103, Lifetime Wellness. Pamphlets about alcohol and drug use are distributed each semester in residence hall rooms and in the Student Center. Special alcohol and drug training is provided annually for residence hall staff and orientation leaders.

The athletic department provides a program for varsity athletes. Special alcohol and drug programs are presented throughout the year. Active drug testing is done. A committee of counselors, teachers and clergy are available to assist varsity athletes.

The Student Services Office, Campus Activities Board and the Residence Hall Association provide alcohol and drug programs throughout the year for all students.

Sexual Harassment Policy

Missouri Southern State College is committed to the principles of equal opportunity and does not discriminate on the basis of race, age, sex, religion, national origin or handicap. The U.S. Equal Employment Opportunity Commission has issued guidelines: It is the policy of Missouri Southern State College that no member of the campus community may sexually harass another individual. Sexual harassment defined as the use of one's authority or power to coerce another into unwanted sexual relations or to punish another for his/her refusal, or the creation by a member of the college community of an intimidating, hostile or offensive working education environment through repetitive verbal or physical conduct of a sexual nature, shall be a violation.

Any student with a sexual harassment complaint may contact the Dean of Students. If, after an informal investigation, the matter is not resolved, the student may resort to the regular grievance procedure.

Campus Security Act Policies and Procedures

1. All campus crimes should be reported immediately to Campus Security. Campus security officers are available on campus 24 hours of every day. The number to call for on-campus personnel is extension 2222. Off-campus personnel should call 626-2222 during the weekday office hours of 7:00 a.m.-4:00 p.m., after hours, weekends and holidays. This will contact the security officer on duty directly via cellular phone. Each call will be responded to by a campus security officer.
2. All academic buildings are locked each evening and during the weekends. One security officer makes nightly rounds, using a computerized security key system. All residence halls, except Blaine Hall are locked at midnight Sunday-Thursday and 2:00 a.m. on Friday and Saturday. Individual keys are issued to each resident student. Another security officer is on duty in the residence hall area from 11:00 p.m. to 7:00 a.m. each day.
3. The Security Department personnel are not commissioned law enforcement officers. However, each officer has completed the coursework necessary to meet the state requirements to be commissioned. There is an excellent working relationship between the department and the city and county law enforcement agencies. All employees and students are directed to report all occurrences of any criminal activity to the Campus Security. Campus Security is directed to report all felonies to the Joplin Police Department.
4. These policies and procedures are published in the *Student Handbook* which is distributed to all freshmen students. Each semester during freshman orientation, seminars are given covering date rape, safety tips and security procedures.
5. Crime prevention programs are presented each semester by the Campus Activities Board, Student Services and Residence Hall Association. Pamphlets regarding crime prevention are distributed to all resident students and are made available to all students in the Student Center.
6. MSSC does not have off-campus student organizations recognized by the institution.
7. Crime statistics are available in the Campus Security Office.

Student Identification Cards

The student identification card is produced by the College and issued to all students as a means of personal identification. The College reserves the right to request a student to produce the I.D. card at any time deemed necessary. The student I.D. is a service to students currently enrolled who wish to use college facilities and services. The first student I.D. costs \$2.00; replacement cost for lost cards is \$5.00. Student I.D. cards may be obtained at the Campus Security Office.

Academic Affairs



Spiva Library
The Honors Program
Summer Study at Oxford
Career Services *(See pg. 27)*
College Orientation *(See pg. 26)*
✧ Continuing Education
Counseling Center *(See pg. 25)*
The Learning Center
Assessment Center
Writing Program
Grants Office
Admission
Core Curriculum
Baccalaureate Degree
Associate Degree
Academic Regulations
Grading Policy
Academic Standards

Academic Affairs

Vice President for Academic Affairs

Erik J. Bitterbaum

Hearnes Hall 200, 625-9394

Staff: J. Larry Martin, Dean, School of Arts and Sciences; James M. Gray, Dean, School of Business Administration; Michael J. Horvath, Dean, School of Education; Jack G. Spurlin, Dean, School of Technology; Nadine P. Schmidt, Assistant to the Vice President/Grants Writer; R. Jerry Williams, Director of Continuing Education; Charles H. Kemp, Head Librarian; To be announced, Registrar; Delores A. Honey, Director of Center for Assessment and Institutional Research; Eillen A. Godsey, Director of the Learning Center; Elaine Freeman, Director of Special Programs; David (Lanny) Ackiss, Director of Honors Program; Pat P. Kluthe, Assistant Director of Honors Program; To Be Announced, Director of Admissions; Linda S. Caldwell, Director of Counseling; Jennifer Yazell, Director of Career Services

The Office of the Vice President for Academic Affairs is responsible for the administration of the instructional program both on and off campus. The Learning Center, the Honors Program, the Continuing Education Office, the Writing Program, the Assessment and Institutional Research Office, the Library, the Grant's Office, Registrar's Office, Admissions Office, Counseling Center, Career Services and all academic units are under its direction.

The George A. Spiva Library

Charles H. Kemp, Head Librarian

Spiva Library 205, 625-9386

Librarians: Robert Black, Mary Lou Dove, Susan Huston, Charles Nodler, Gaye Pate and Edward Wuch.

The Library consists of two units:

1. George A. Spiva Library
2. The Audio-Visual Center

The George A. Spiva Library

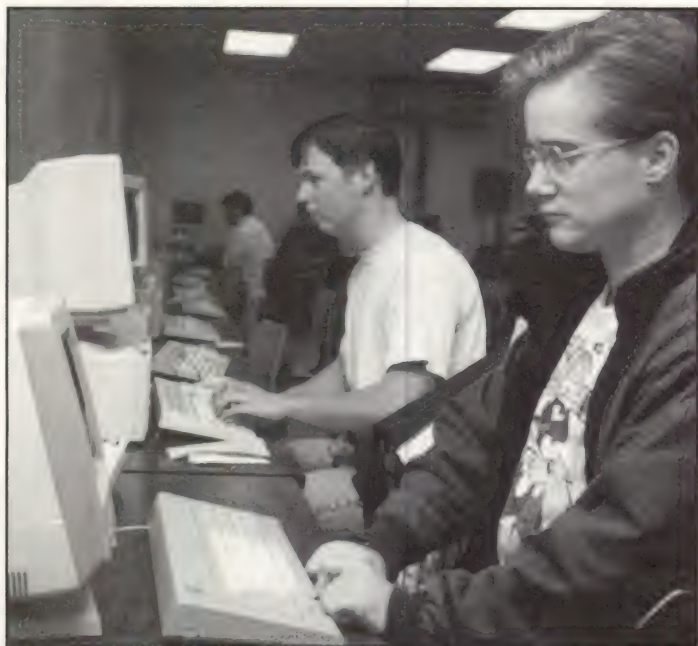
The Spiva Library is the major information resource on campus. Available in the Library for student use are 241,000 book volumes and 1,177 periodical titles. A state and federal government documents collection; a law library; and a 614,366 item microform collection provide additional reference materials for student research. Additional collections housed in the archive's area are the Congressional Papers of former member of the United States House of Representatives, Gene Taylor, tri-state mining maps, and the papers of the late Dr. Arrell Gibson, a noted Western historian.

The collections are housed in an attractive facility constructed in 1967. There have been three renovations of the building since then. The current renovation includes an elevator that provides easy access to all floors of the library. The staff is composed of seven librarians, 13 support staff members and part-time student staff members. The Library is open from 7:30 a.m. until 11:00 p.m., Monday through Friday. On the weekends, the hours are from 9 a.m. until 11 p.m. on Saturday and from 2 p.m. until 10 p.m. on Sunday. The service week of 99.5 hours exceeds that of many academic libraries.

The teaching function of the library is important, as it should be in a college that prizes excellence in the intellectual development of its students. Every effort is made to ensure that students learn how to conduct research in the library effectively and to use information resources knowledgeably. Tours of the library are given by librarians and student guides. Workshops, class lectures and additional assistance are provided by librarians. The library staff also teach library patrons how to use computer information sources and assist them with research and information needs.

Modern technology is used heavily in the library. Interlibrary loan requests are sent and received through a nationwide computer network of libraries. Locations of requested materials can be determined in minutes through the OCLC Network which has a database of over 34 million records in over 21,000 member libraries. A telefacsimile machine service is used to rapidly send and receive copies of periodical articles. New services through the INTERNET allow students and faculty members access to hundreds of library catalogs, discussion groups, listservs, and additional databases. EBSCOHOST is a service over the INTERNET which indexes 3,000 periodicals. 1,000 of these are fulltext which can be





read on the screen, downloaded to a file or printed on a local printer. Ariel is a system of faxing documents via the INTERNET between libraries and adds to the library's ability to provide journal articles in a timely manner.

All functions of the library are automated. Students at home or professors in their offices can call in using modems and determine what materials the library has. A useful feature of the system indicates whether a book or journal is checked out. The LION, the library's on-line public access catalog, displays periodical indexing for selected H. W. Wilson indexing services. Besides the modern OPAC, students and faculty members enjoy automated circulation with no-wait checkout of library materials.

The compact disk technology has made retrieval of subject matter in periodicals so easy that it has become the preferred method for students. The major indexes in business, education, social science, history, psychology, English, biology and nursing are available in the CD-ROM format. *Newsbank*, *The Grolier Encyclopedia* and the *Oxford English Dictionary* are a few of the formerly print-only reference materials used in the CD-ROM format by Spiva Library patrons. Specialized indexes are available through on-line searching services like DIALOG. The reference staff conduct these searches for students or faculty members at no charge. This information service provides access to several hundred additional databases. Additional information sources are available via the INTERNET. This access is open to all students and faculty members.

The library has even gone beyond indexes and can furnish the full text of articles found in the indexes in CD-ROM format for two of the databases. After searching *ABI/INFORM* or *General Periodicals Index*, a student can insert a CD-ROM in the

player and either read the full article on the screen or print a copy on the laser printer. With these information sources at their disposal and the ever increasing availability of information through the INTERNET, students at Missouri Southern never lack for information for research papers. With a proposal for two major renovations being considered, the future is bright for the Spiva Library.

The Audio Visual Center

Located on the top floor of the Spiva Library are the government documents collection and the Audio Visual Center. The AVC is the audio-visual materials component of the Spiva Library. These materials include video and audio tape materials, films, slides, kits and miscellaneous instructional materials. Curriculum textbooks, curriculum guides on microfiche, juvenile and children's books that support the teacher training curriculum are housed in this area. Materials in this area are cataloged and indexed in the LION. The AVC provides appropriate playback equipment for all the materials.

The AVC staff provides limited production services like making overhead transparencies, laminating materials and copying audio-tapes. Computer services include access to word processing, database management, and programming languages. Students access computer services through a local area network of 486 DX workstations. A expansion of the lab allows access to library CD-ROMs from the library LAN and other LANS on campus. Students have access to the INTERNET and other LANs on campus from the library. The AVC has an inventory of slide projectors, video cassette recorders and monitors, audio cassette recorders and filmstrip projectors for checkout. Equipment is housed in each school and department, so the AVC equipment is limited to basic items. Helpful staff is stationed in this area to provide assistance with the computers, government documents, or audio-visual materials.

The Honors Program

David L. Ackiss, Director
Patricia P. Kluthe, Assistant Director
Webster Hall 118, 625-3005

The Honors Program at Missouri Southern State College is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students.

Entrance into the program is by invitation. Because admission is selective and competitive, classes normally are smaller than regular classes, permitting Honors students to enjoy interaction with other outstanding students in an informal atmosphere conducive to exciting and challenging discussions.



Honors courses put our best students in small classes with our best teachers – right from freshman year on. Distinguished professors and Honors students have opportunities to expand the educational experience beyond that available in regular courses. Students receive personal attention and special guidance, and the program is flexible to permit them to pursue particular scholarly interests and to engage in innovative and creative approaches to learning.

Expectations for performance in the program are high. As an Honors student, one is expected to strive for grades against these standards; one is not, however, expected to compete with others for grades. Through this program, the challenge to perform at the top of one's ability is matched by the opportunity to do so in an environment that is simultaneously fun, exciting and intellectually demanding.

The Curriculum

While students will take courses offered in Southern's regular curriculum, these five features are specifically designed for Honors students:

Honors Forum

This course is an open forum to discuss a variety of topics, issues and other matters of interest to Honors students. Active learning is nurtured as students select, design and implement topic presentations.

Core Curriculum Courses

Special sections of required courses such as English composition are designated as Honors sections. There are a number of such courses to select from each semester, and most Honors students take these during their freshman and sophomore years.

Junior Honors Courses

These are interdisciplinary seminars on a variety of special topics not normally covered in the regular college curriculum. You will have the opportunity to develop seminar presentations on topics you devise with the instructor's help.

Senior Honors Courses

Students take at least one Honors course in their major during the senior year. Working under professors in their major field, they design and carry out independent projects investigating in-depth topics that interest them.

Honors Senior Colloquium

Based on the Senior Honors Course, each student makes a presentation on that course content or course experiences to an Honors Colloquium open to a campus-wide audience. The presentation is required of each student for completion of the Honors Program.

Honors Recognition

Missouri Southern is affiliated with the National Collegiate Honors Council, The Great Plains Regional Honors Council, and Phi Eta Sigma and Alpha Chi, national honor societies. Most Honors students have the opportunity to participate in the activities of these organizations and to attend regional and national conferences.

Every Honors course one completes with a final grade of A or B is identified as an Honors course on one's transcript. If one maintains a cumulative grade point average of at least 3.5 and completes 26 hours of Honors courses, one will receive special recognition at graduation.

Oxford Program

To live and study at historic Christ Church College of Oxford University is perhaps the experience of a lifetime. Southern offers an elective summer study program in England at Oxford, one of the world's foremost universities. Students participate in small seminar groups led by Oxford University tutors and live in an atmosphere of Oxford college life as it has survived over the past 700 years.

A select group of students have the opportunity to participate based on their advanced academic standing for hours accumulated and grade average. Qualified students select courses offered in three-week sessions on various subjects. Southern grants partial scholarships to some students each year. Honors Program students are given priority consideration in the selection process.

There is also time for students to enjoy the rich heritage of England through formal tours and individual excursions. A great opportunity awaits those selected to be members of this distinguished community of scholars and participants in the Oxford experience.

The Evans Scholarship

In competing for admission to the Honors Program, students also are competing for the Walter and Fredrica Evans Scholarship, which will be awarded as funds allow to the most highly qualified applicants. The Evans is a four-year renewable scholarship that covers tuition, book rental fees and student activity fees, for fall, spring and summer semesters. Additional scholarship funds to cover on-campus room and board are available for Evans Scholars who are National Merit Scholarship semifinalists or who have an ACT Composite score of 31 or better. This is the finest scholarship Southern offers.

Eligibility

All students who wish to participate in the Honors Program must be admitted to Southern. Incoming freshmen with at least a composite score on the ACT of 28 or with at least a grade point average of 3.5 (on a 4.0 scale) in high school course work are invited to apply for admission to the program. Two letters of recommendation, from the student's high school principal and from a high school teacher, an essay and an interview with the Director of the Honors Program may also be required.

Students who have already completed between 15 and 30 hours of course work with a grade point average of 3.5 at Southern or any other accredited college or university are also invited to apply for admission into the program, though they are not eligible for the Evans Scholarship.

The Honors Program will offer special admission to Missouri's associate degree graduates who hold the CBHE Bright Flight Scholarship. Those with a least a 3.5 GPA will be eligible for a scholarship that covers the full cost of tuition, room and board, activities, fees and textbook rental. Those with a 3.0 GPA will be eligible for a scholarship equivalent to our Regent's Scholarship.

The Division of Continuing Education

R. Jerry Williams, Director
Webster Hall 117, 625-9368

Staff: Wendell McAdams

The Division of Continuing Education embraces the life-long learning concept by providing credit and non-credit courses that supplement the college curriculum. Over 34,000 students have enjoyed learning opportunities in a wide range of academic and non-academic subjects.

The Division also is responsible for distance education programs offering courses off the main campus. Delivery systems

include customized training provided at business and industrial sites, video tape correspondence courses and courses offered through the college television broadcast station and microwave system. Numerous seminars and workshops are also offered through the Division of Continuing Education for professional continuing education credit and personal self enrichment.

Information concerning various programs may be obtained by contacting the Division of Continuing Education located in Webster Hall Room 117.

The Learning Center

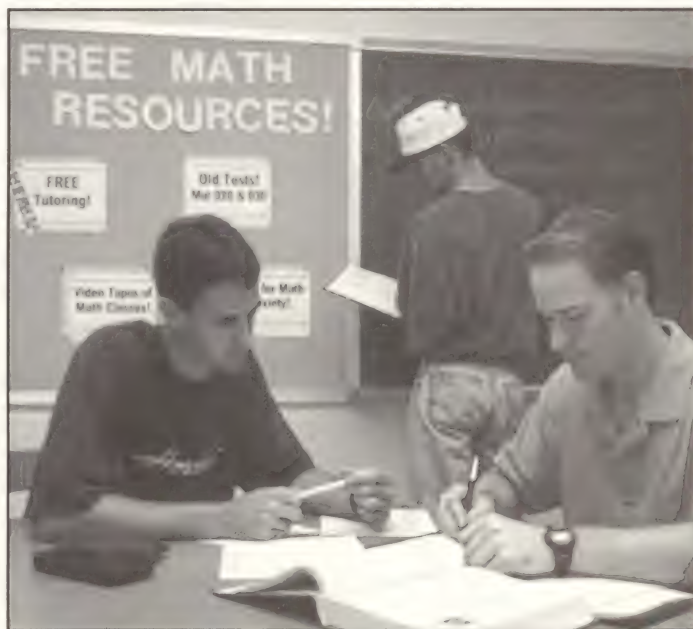
Eillen Godsey, Director
Mansion Classroom Building, 625-9373

Staff: James Brown, Jan Holmes, Melissa Anne Zenon

The mission of the Learning Center is to provide a wide range of academic support programs to students and faculty. Learning Center staff are available to assist any MSSC student to become a more independent and efficient learner. All services are free.

Tutoring in Content Areas – Peer and faculty tutors are available. Some drop-in tutoring is offered, although an appointment is recommended. Both short- and long-term assistance is provided.

Writing Lab Services – Trained peer tutors instruct and coach students in all aspects of writing, such as writing process strategies, research paper documentation, and correct mechanics.



Computer Lab – The Learning Center offers a networked computer lab with both DOS and Windows word-processing programs. Students may work on individual assignments or use the Center's software.

Services for Students with Disabilities – The Learning Center provides support services to students with disabilities:

- Early Registration
- Books on Tape
- Tutoring
- Alternative Testing

Support services are elective and must be requested by the student. Appropriate documentation must be provided.

Audio/Visual and Computer Assisted Instructional

Resources – Tapes are on reserve in the Center and may be viewed in the Center or checked out. The collection includes faculty created study guides and practice tests, taped classes, practice drills in grammar and punctuation, national exam guides, as well as other academic support materials.

Classes

English 080 – Prepares students for college writing courses. Students write at least six major papers with special attention given to organization, syntax, grammar, and mechanics.

Academic Skills for College Success – Emphasizes current issues to improve vocabulary, comprehension and critical reading ability.

Speed Reading — Increases reading speed.

Workshops

- Word Processing
- Study Skills
- Exam Preparation

The Center for Assessment and Institutional Research

Delores A. Honey, Director
Matthews Hall 321, 625-9696

Missouri Southern is committed to the measuring of outcomes of curricular programs. Both the Core Curriculum and the major are assessed each year. Federal, state and local reports of institutional data are prepared and archived in this Center.

The Writing Program

Joseph Lambert, Director
Hearnes Hall 314, 625-9784

Each student is required to complete five writing intensive courses as a part of the baccalaureate degree. The director and a faculty committee advise the Vice President for Academic Affairs on the development and supervision of the program.

The Grants Office

Nadine P. Schmidt, Grants Writer
Hearnes Hall 200, 625-9555

The Grants Office seeks out new sources of funding to enhance the College's ability to pursue its academic and student service goals. These grant-related funds supplement the College's tuition and state revenues, creating opportunities for programs, services, and equipment that might not otherwise be possible. Working closely with all areas of the college, the Grants Office writes a number of grants and proposals for funding each year for submission to federal and state grant programs, as well as to private foundations and corporations.

International Student Exchange Program (ISEP)

Nadine P. Schmidt
Hearnes Hall 200, 625-9555

Missouri Southern students have many exciting opportunities to study in other countries. The College is a member of the International Student Exchange Program (ISEP) through which MSSC students can study and earn credit at more than 100 colleges and universities around the world. For semester or year-long exchanges, MSSC students in the ISEP program pay regular MSSC tuition and room/board fees in U.S. currency, and financial aid is applicable.

Students should contact the Institute of International Studies for information on study abroad and exchange opportunities outside the ISEP program.

Admission

Derek Skaggs, Director of Enrollment Services
Hearnes Hall 109, 625-9378

Staff: Clay Deem, Robin Hicklin, Mary Adamson, Lola May

Admission decisions are based on current admission policies established by the Board of Regents and are made in accordance with the recommendations of the Coordinating Board of Higher Education. Students are encouraged to apply for admission early. Applications are available through the Admission Office and most high schools and community colleges. Admission requirements are subject to change without notice. Missouri Southern State College encourages students from private, home schooling and non-accredited high schools to contact the Admission Office for details on how to be accepted into Missouri Southern.

Regular Admission for 1997-98

Students who have graduated from a state approved high school or possess its recognized high school equivalent (GED) will be admitted if:

1. they rank in the upper one-half of their high school graduating class; or
2. they have a composite score of 18 or above on the ACT test.

Applicants whose ACT scores and class rank are below those stated above may request a review.

Core Curriculum Requirement

The College encourages high school students to follow the core curriculum requirements outlined by the Missouri Coordinating Board of Higher Education. The core includes:

English, 4 units. Two units emphasizing composition or writing skills are required. One unit may be speech or debate.

Mathematics, 3 units. The units must include Algebra I, Algebra II and Geometry. A fourth higher level mathematics course is strongly recommended.

Social Studies, 3 units. Courses should include United States history and courses selected from world history, government, geography and economics.

Science, 2 units. General Science does not count. One unit must include a laboratory. Biology, physics and chemistry are strongly recommended.

Visual/Performing Arts, 1 unit. Fine Arts courses include such areas as visual arts, music, dance or theatre.

Electives, 3 units. These may be selected from world geography, higher level mathematics, additional science, foreign languages (if a language is chosen as an elective, the college recommends 2 units of the same language), advanced placement courses or a combination of the core courses listed above.

The College strongly recommends the completion of 16 core units for admission in the fall of 1997.

Admission requirements are subject to change without notice.

Admission Review Committee Individuals who do not meet the College's admission criteria may request a review of their application. The committee may make one of three decisions: grant regular admission, deny admission or admit as a special student.

Students With Previous College Experience

Former MSSC Students: Former Missouri Southern State College, Jasper County Junior College and Joplin Junior College students must inform the Office of Admission of their intention to return. When necessary, these students will be required to update their credentials.

Transfer Students: (*Students who are enrolling at MSSC for the first time*) Credits will be accepted from a two-year college to meet lower division (freshmen and sophomores, 100-200-level course) requirements. A total of 64 semester hours of credit earned at a two-year college is the maximum that may be applied toward a baccalaureate degree. A minimum of 64 semester hours must be earned in a senior college to obtain the baccalaureate degree from Missouri Southern.

The following credentials must be submitted to the Director of Admission:

1. an official transcript from previously attended institutions sent directly to the Director of Admission;
2. be eligible to return to last institution attended;
3. pay \$15 non-refundable application fee; and
4. submit ACT scores if English or mathematics have not been completed or are seeking a degree in education.

Transfer students who have completed a college transfer curriculum and have been awarded an associate of arts degree from an accredited public two year college in Missouri, prior to enrolling in Missouri Southern, are assumed to have fulfilled the lower division Core Curriculum requirements. Students will be directed immediately into their major area according to their preparation. Transfer students who have not completed the associate of arts as stated above will have their courses evaluated individually.



Transfer students seeking admission to Missouri Southern State College from colleges or universities not accredited by a regional association may be given full recognition for their credits earned when the credit is appropriate to the student's degree programs and after Missouri Southern State College has validated the courses. Applicants must meet the following conditions:

1. the student must be in good standing at the institution from which they are transferring, and
2. the student must have a cumulative grade-point average of 2.00 or higher (on a 4.00 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the College's standards of progress may be considered for admission on probation.

Transfer students must take a minimum of 30 of the last 36 semester hours for the baccalaureate degree in residence at Missouri Southern.

Transient Students: Students in good standing at other colleges and universities may wish to enroll at Missouri Southern for the purpose of transferring back to their institutions the credit earned. Admission requires completion of the application form, payment of the \$15 non-refundable application fee and a statement of good standing from the authorized college official or Registrar of the student's home college or university. Students wishing to continue course work at Missouri Southern State College must meet admission criteria.

International Students: International students not citizens of the United States who wish to apply for admission should write the Director of Admission for the proper application forms and instructions. In addition to the admission credentials required of all students on page 38, international students must satisfy these concerns: (a) academic competency, (b) ability to read and speak the English language adequately for college level

study, and (c) ability to finance the cost of education at Missouri Southern. All applicants from non-English speaking nations must score in the 75th percentile on the Michigan Test for English as a Foreign Language or score 535 on the TOEFL Test. Deadlines for completed application for admission are:

Freshman

Fall Semester—July 1

Spring Semester—November 1

Summer Semester—April 1

Transfer

Fall Semester—July 10

Spring Semester—January 2

Summer Semester—May 25

Students who are citizens of the United States and use English as a second language must pass English language competency. A TOEFL test score of 535 or a score in the 75th percentile on the Michigan Test is required of these students.

Dual Credit: The Missouri Department of Elementary and Secondary Education has authorized Missouri Public High Schools and Missouri Public Colleges and Universities to grant dual credit to high school students simultaneously enrolled in college and high school. Missouri Southern is pleased to participate in this program. Admission to courses for dual credit is selective, and is subject to specific conditions. Additional information may be obtained from the Office of the Vice President for Academic Affairs.

Credit-in-Escrow: The credit-in-escrow program consists of college studies for outstanding high school students who have completed their junior year. They must have a 3.0 GPA and the approval and recommendation of their high school principal. A high school transcript is required with the application.

Credentials Required for Admission

Regular Admission

- (1) **High School Transcript:** An official transcript of high school credits must be filed showing that requirements for graduation have been met. A 6th, 7th or 8th semester rank in class must appear on the record. (The College will accept a satisfactory score on the General Educational Development (GED) test in lieu of a high school transcript.)
- (2) **Placement Test:** Missouri Southern participates in the American College Testing Program (ACT). Scores from the enhanced battery must be presented as an admission credential. These tests are administered at nationally approved test centers five times a year. Missouri Southern is a test center.
- (3) **Application:** The application for admission must be completed one week before the first day of enrollment (see college calendar on page 14). This includes all credentials required by the Admission Office.

- (4) **Application Fee:** A fee of \$15 must be included with the application for admission. (This fee is non-refundable and non-applicable to other college fees.)
- (5) **Miscellaneous Requirements:** Additional credentials are required from students whose application credentials raise questions about their acceptability into the student body. While the College makes every effort to give each applicant an opportunity for a college education, it reserves the right to deny admission when the College's ability to meet the need of the student and/or the welfare of the student body is in question. Students who do not attend Missouri Southern within one year after making application must submit new credentials when seeking admission.

Admission to Selective Programs

The Health Sciences (nursing, dental hygiene and radiologic technology): Admission to Missouri Southern does not automatically confer admission to the programs of nursing, dental hygiene, radiologic technology. In addition to meeting the admission requirements for the College, candidates who are interested in these health career programs are required to apply for admission to the department. Application forms may be obtained from the department of nursing office, Kuhn Hall; the dental hygiene department office, Ummel Technology Building; or the radiology department of St. John's Regional Medical Center. Applications should be submitted prior to March 1, preceding the fall semester in which the student wishes to enroll. Each application is reviewed by the Admission Committee of the respective department. See nursing department page 184, dental hygiene department page 179 or radiologic technology page 189 under affiliated programs for full information on admission and acceptance criteria.

Honors Program: This program is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. Entrance into the program is by invitation. Interested students should write the Director of Honors Program for an application form. (Page 35)

Special Admission

A student who wishes to enroll in college but does not meet regular admission requirements may be permitted to enroll in classes as a non-degree seeking student. College hours completed in this status cannot be counted toward a degree until the student meets regular college admission criteria. Special admission classification is not eligible for financial aid.

Students who possess a high school diploma or GED may request reclassification by:

1. Meeting all of the College's admission criteria, or
2. successfully completing 21 hours with a 2.0 GPA.

Individuals without a diploma or GED must complete 59 hours with a 2.0 GPA before a request for reclassification can be considered.

Continuing Education

Televised and Distance Learning Courses

Regular college curriculum courses are offered by the Division of Continuing Education through a variety of means including in-home cable, extension sites, Internet, and video tape. Students initially enrolling in these courses are categorized as either *special* or *temporary* unless they have completed the regular student admission process.

Continuing Education Credit Hour Courses

A variety of courses in this listing are offered both on and off-campus that meet the qualifications for receiving college credit dependent upon the student's major and school. Courses within this category are generally designed for serving the needs of community betterment and professional development. Students enrolling in these courses will need to check with their school Dean and adviser to receive permission to petition the course for academic credit. Students will be considered as either *special* or *temporary* unless they have completed the regular student admission process.

Non Credit Courses

The College offers a number of courses designed primarily for the individual's personal enrichment or job training that do not carry academic credit. Students enrolling in non-credit courses are not given a student status through the Admission Office.

Return to Learn: Adult students can and do face problems and situations unique to their age group. These may include having families to support, needing child care, feeling alone in their age group and being uncertain of their abilities. This program is designed to prepare adult learners to continue their education with confidence. These students will be admitted under the "special" category listed above.

60 Plus: This program is designed to serve interested individuals over the age of 59. Community residents may enroll in a course on a space-available basis without providing previous transcripts. Compliance with course prerequisites is necessary and is the student's responsibility. Enrollment takes place at the same time as regular student enrollment. Information concerning enrollment times, reduced fees and tuition costs can be found in the college schedule. A student may elect to receive a grade and credit for their course or they may audit the course with the permission of the instructor. If a student desires to become a regular student, he or she must make application to Missouri Southern for future semesters.



Placement, Examinations, Credits

Resident Credits from Institutions of Equal Standing with Missouri Southern State College

Credits transferred from accredited colleges and universities will be given full value in similar courses whenever possible. The amount of credit given for courses studied in other institutions may not exceed the amount given at Missouri Southern for the same length of time of instruction. Students may not transfer credits to satisfy more than one half of the major course requirements in a department unless the approval of the Vice President for Academic Affairs is obtained.

Advanced Standing Examination

A student whose travel, employment, extensive readings or other unique educational experiences appear to have provided proficiency in a course required in the curriculum equivalent to that ordinarily attained by those taking the course in regular classes, may be granted permission to take an advanced standing examination. This examination may be a subject matter test of the College Level Examination Program (CLEP) or a comprehensive test designed by the department to cover the subject more fully than a regular final examination. In order to receive credit for a departmental examination, a student must have the following qualifications in addition to those listed above:

- (a) be enrolled in college at the time of the examination;
- (b) not have taken an examination over the course within the preceding six months;
- (c) not have credit in a more advanced course in the same field;
- (d) be working toward a degree at Missouri Southern State College;
- (e) have the approval of the head of the department in which the course is offered;
- (f) not use examination to replace a previously earned grade.

After a student has taken a departmental examination, the professor will transmit the grade to the Vice President for Academic Affairs Office. If performance is equated as a "C" grade or above, the Registrar will record the credit.

International Baccalaureate

Missouri Southern will grant up to 30 semester hours or the equivalent of one full year of college study, to those who have completed study in the International Baccalaureate curriculum in high school. Missouri Southern will grant college credit and advanced placement for International Baccalaureate courses completed at the higher level with a score of four or greater. Students with such backgrounds should contact the Vice President for Academic Affairs through the Admission Office for a detailed analysis of credits and standing.

Advanced Placement Test (AP)

Missouri Southern participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. Credits are granted for course areas in which a student has completed Advanced Placement Examinations with a score of 3, 4 or 5.

Correspondence Course Credit

Missouri Southern does not offer courses by correspondence; however, it does accept credit earned in this manner from regionally accredited institutions. No student will be permitted to apply course work in correspondence toward his or her degree after a total of 12 hours has been completed in correspondence courses.



Course Credit for Military Service and Schooling

Military Service students who have completed a minimum of one year of active military service may be granted credit to meet the Kine 101 and Kine 103 requirements of the Core Curriculum. Thus, these requirements will be satisfied if the DD214 form is submitted to the Missouri Southern Registrar's Office. Credit may also be granted for specific military schooling as recommended by the American Council of Education. The credit granted will be comparable to courses listed in the bulletin and will carry the grade of "Cr". The veteran must present documentation designating the military course, date and site of the course.

Validation Examinations

If Missouri Southern refuses to accept a student's earned credit in a course because of the method in which the course was taken or because the institution at which the course was taken was not accredited, the student may apply for a validation examination. In order to qualify for a validation examination a student must: (a) be enrolled at Missouri Southern State College at the time the examination is taken; (b) present the necessary evidence to prove that the course was taken; (c) get approval from the Registrar, the school dean and the head of the department in which the course is offered; and (d) initiate the proceedings within the first eight weeks after entering college.

The student initiates the request for examination at the Registrar's Office. The school dean and the department head will appoint a professor to construct, administer and evaluate the examination. The result is reported to the Registrar who records the grade if it is "C" or above.

The Honors Program

Entering students will be governed by admission policies clarified on page 39 of this catalog. In addition, students generally will not be admitted to the Honors Program after they have earned 30 credit hours. However, if such a student presents a plan to take the 26 honors hours required to complete the program, that student will be considered by the Honors Committee on an individual basis.

Graduation

- A. **Graduation Requirements:** The responsibility for satisfying all requirements for a degree rests with the student. Advisers, faculty members and administrators offer help to the student in meeting this responsibility.
- B. **Time of Graduation:** A student may complete graduation requirements at the close of any semester. Formal announcement of graduation is made and degrees are conferred at the close of the spring semester.

- C. **Placement Services:** Each degree candidate must register in the Office of Career Services.
- D. **Degree Candidacy Application:** Each student must make application for degree candidacy during the semester preceding the last semester in attendance. The application process is initiated at the Placement Office.
- E. **Senior Assessment:** All graduating seniors are required to complete a Core Curriculum and a departmental exit assessment before the baccalaureate degree is awarded. Effective: July 1, 1988.

Baccalaureate Degree Requirements

- A. **Residence:** The following minimum requirements must be met in residence at Missouri Southern: (1) 30 of the last 36 hours counted toward the degree; (2) one-half of the courses both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division courses both required for the major and in the major department.
- B. **Credit Hours:** At least 128 semester hours of college credit applicable to a baccalaureate degree are required for graduation.
- C. **Grade Point Average (GPA):** The following minimum GPAs are required for all baccalaureate degrees except the B.S.E.:
 1. a 2.0 GPA for all credit hours attempted;
 2. a 2.0 GPA for all the courses required for the major, both inside and outside the major department;
 3. a 2.0 GPA for all courses, both required and elective, taken in the major department.

The following minimum GPA's are required for the B.S.E.:

1. a 2.75 GPA for all credit hours attempted;
 2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
 3. a 2.50 GPA for all courses, both required and elective, taken in the major department;
 4. a grade of C or better in professional education courses and courses required for elementary education, special education and early childhood.
- D. **Upper Division Hours:** A minimum of 40 semester hours in upper division courses (those with numbers in the 300's and 400's) must be completed to meet the graduation requirements. Reasonable adjustments are made for three-one affiliation programs.

44 / Core Requirements

- E. **Writing Intensive:** Five writing intensive courses will be required of all baccalaureate degree candidates. Six hours must be completed in the freshman year and two of the three remaining courses must be taken at the junior and/or senior level. One upper division course must be taken in the student's major. (Writing Intensive courses may be identified in the "schedule of classes" by a "WI" placed at the end of the course number. Example: Psy 480WI Senior Seminar.) Students transferring to Missouri Southern from another college will fulfill the Writing Intensive requirement as follows:

<i>Total hours at time transfer to Missouri Southern:</i>	<i>Minimum Writing Intensive courses required:</i>
Fewer than 30 hours	Five courses as outlined above
30 to 89 hours	Four courses, with at least two at the junior/senior level, one of which must be in the major
90 hours or more	Three courses, one must be in the major and at the junior/senior level

- F. **Foreign Language:** All students expecting to graduate with a bachelor of arts degree must successfully complete 12 hours of the same foreign language as a part of the graduation requirements.
- G. **Special Education:** All students expecting to graduate with a bachelor of science in education degree must successfully complete two hours of Special Education (Educ 302) as a part of graduation requirements.
- H. **Computer Literacy:** All students will receive computer instruction to a level of understanding necessary for them to function as a member of society and to a level of skill sufficient to use the computer for problem solving within their discipline. Department heads will certify the competency of the students in their disciplines.
- I. **Assessment:** All degree candidates are required to participate in College assessment of outcomes activities.
- J. **Core Curriculum Requirements:** Missouri Southern has a Core Curriculum program that contributes toward the development of the whole person, as an

individual and as a member of society. All degree candidates must satisfy the following Core Curriculum requirements:

Baccalaureate Degree

Area 1. Basic Requirements*

	Credit Hours Required
A. <i>English Compositions</i> Freshman Year (Eng 101 and 102 or achievement in the required competency level can be done in Eng 111 in 3 hours)	6
B. <i>Communication</i> Comm 100 Oral Communication	3
C. <i>Mathematics (110, 112, 130 or above)**</i>	3
D. <i>Physical Education**</i> Kine 103 Lifetime Wellness** (2) Kine 101 Physical Activity (1)	3
Total for Area 1	15 Hours

Area 2. Humanities and Fine Arts

A. <i>Select One</i> Art 110 Art Appreciation (3) Mus 110 Music Appreciation (3) Th 110 Theatre Appreciation (3)	3
B. <i>Select One</i> Eng 261, 262 World Masterpieces (3) Eng 271, 272 English Literature (3) Eng 281, 282 American Literature (3)	3
C. <i>Select One</i> Eng 150 Introduction to Literature (3) Eng 305 Short Story (3) Eng 261, 262 World Masterpieces (3) Eng 271, 272 English Literature (3) Eng 281, 282 American Literature (3) Phil 201 Introduction to Philosophy (3) Phil 212 Ethics (3) Art 110 Art Appreciation (3) Mus 110 Music Appreciation (3) Th 110 Theatre Appreciation (3)	3
Total for Area 2	9 Hours

Area 3. Natural Science and Behavioral Sciences*

A. <i>Bio 101 General Biology**</i>	4
B. <i>Phy 100 Fundamentals of Physical Science**</i>	5
C. <i>Select one</i> Psy 100 General Psychology** (3) Soc 110 Sociology (3)	3
Total for Area 3	12 Hours

Area 4. American Cultural Studies*

A. <i>Hist 110 U.S. History 1492-1877</i> AND Hist 120 U.S. History 1877-Present OR Hist 320 U.S. History 1877-Present PSc 120 Gov't: U.S., State, Local Econ 180 American Economic System (Majors and minors in business should take Econ 201)	3
Total for Area 4	12 Hours

Area 5. International Cultural Studies*

A. <i>Select One</i>	3
Hist 130 or 140 Western Civ	(3)
Geog 211 Regions and Nations	(3)
Anth 155 Physical Anthropology and Archeology	(3)
Foreign Language	(3)
GB 310 International Business	(3)
Anth 342 Comparative Cultures	(3)
Comm 305 Intercultural Communication	(3)
Soc 304 The Arab World	(3)
CJAd 301 International Justice Systems	(3)
Phil 320 Comparative Religion	(3)
Eng 385 Continental Novel	(3)
Total for Area 5	3 Hours

Eng 261, 262 World Masterpieces	(3)
Eng 271, 272 English Literature	(3)
Eng 281, 282 American Literature	(3)
C. <i>Select One</i>	3
Eng 150 Introduction to Literature	(3)
Eng 305 Short Story	(3)
Eng 261, 262 World Masterpieces	(3)
Eng 271, 272 English Literature	(3)
Eng 281, 282 American Literature	(3)
Phil 201 Introduction to Philosophy	(3)
Phil 212 Ethics	(3)
Art 110 Art Appreciation	(3)
Mus 110 Music Appreciation	(3)
Th 110 Theatre Appreciation	(3)
Foreign Language	(3)
Total for Area 2	9 Hours

Total Core Curriculum Requirements 51 Hours

*Occasionally, selected courses may be substituted for this area.
 **See degree requirements listed in the Catalog for courses that are substituted for specific majors.

Area 3. Natural Sciences*

A. <i>Bio 101 General Biology**</i>	4
AND	
<i>Phys 100 Fundamentals of Physical Science**</i>	5
Total for Area 3	9 Hours

Area 4. Social and Behavioral Sciences*

A. <i>Psc 120 Gov't: U.S., State Local</i>	3
B. <i>Hist 110 U.S. History 1492-1877</i>	3
OR	
<i>Hist 120 U.S. History 1877-Present</i>	(3)
C. <i>Select One</i>	3
Hist 130 or 140 Western Civ	(3)
Geog 221 Regions and Nations	(3)
Anth 155 Physical Anthropology and Archeology	(3)
Soc 110 Sociology	(3)
Psy 100 General Psychology	(3)
Econ 180 American Economic System**	(3)
Total for Area 4	9 Hours

Total Core Curriculum Hours 42 Hours

*Occasionally, selected courses may be substituted for this area.
 **See degree requirements listed in the Catalog for courses that are substituted for specific majors.

Associate Degree Requirements

Associate of Arts Degree

- A. **Credit Hours:** A minimum of 64 semester hours must be completed.
- B. **Residence:** The last 15 semester hours must be completed in residence at Missouri Southern.
- C. **Grade Point Average:** Minimum cumulative and major field grade point average must be 2.0.
- D. **Major Field:** The student must meet the course requirements of the particular preprofessional program selected. Or, the degree may consist of the general education courses plus additional hours, adding up to 64, as approved by the adviser and the Vice President for Academic Affairs.
- E. **Core Curriculum Requirements:** The degree requires completion of the following Core Curriculum requirements:

	Credit Hours Required
Area 1. Basic Requirements*	
A. <i>English Compositions</i>	6
Freshman year (Eng 101 and Eng 102 OR achievement in the required competency level can be done in Eng 111 in 3 hours)	
B. <i>Comm 100 Oral Communication**</i>	3
C. <i>Mathematics (110, 112, 130 or above)**</i>	3
D. <i>Physical Education</i>	3
Kine 103 Lifetime Wellness**	(2)
Kine 101 Physical Activity**	(1)
Total for Area 1	15 Hours

Area 2. Humanities and Fine Arts*

A. <i>Select One</i>	3
Art 110 Art Appreciation	(3)
Mus 110 Music Appreciation	(3)
Th 110 Theatre Appreciation	(3)
B. <i>Select One</i>	3



46 / General Regulations

Associate of Science Degree

- A. **Credit Hours:** A minimum of 64 hours must be completed.
- B. **Residence:** The last 15 semester hours must be completed in residence at Missouri Southern.
- C. **Grade Point Average:** The minimum cumulative and major field grade point average must be 2.0.
- D. **Major Field:** The student must meet the course requirements in the particular program of study as approved by an adviser.
- E. **Core Curriculum Requirements:** The degree requires completion of the Core Curriculum courses as well as those outlined in the student's major field of study. The Core Curriculum required courses are:

		Credit Hours Required
Area 1. Basic Requirements*		
A. Eng 101 English Composition		3
B. Comm 100 Oral Communication**		3
C. Math 30 (or above)**		3
D. Physical Education**		3
Kine 103 Lifetime Wellness**	(2)	
Kine 101 Physical Activity**	(1)	
Total for Area 1		12 Hours
Area 2. Humanities and Fine Arts*		
A. Select One		3
Art 110 Art Appreciation	(3)	
Mus 110 Music Appreciation	(3)	
Th 110 Theatre Appreciation	(3)	
Any Literature Course except 325	(3)	
Phil 201 Introduction to Philosophy	(3)	
Phil 212 Ethics	(3)	
Total for Area 2		3 Hours
Area 3. Natural Science*		
A. Bio 101 General Biology**		4
B. Phys 100 Fundamentals of Physical Science**		5
Total for Area 3		4-5 Hours
Area 4. Social and Behavioral Sciences*		
A. Hist 110 or Hist 120 United States History		3
B. ***Missouri Constitution Requirement		
C. Select One:		3
Psy 100 General Psychology	(3)	
Soc 110 Introduction to Sociology	(3)	
Econ 180 American Economic System**	(3)	
Total for Area 4		6 Hours
Total Core Curriculum Requirements		25-26 Hours

*Occasionally, selected courses may be substituted for this area.

**See degree requirements listed in the Catalog for courses that are substituted for specific majors.

***This requirement may be satisfied with credit from a Missouri public college, or PSc 120 Government: U.S., State & Local or by an examination. Examination information is available from the Dean of Arts and Sciences.

Core Curriculum courses required for the associate of science degree typically do not completely fulfill the Core Curriculum requirements for the baccalaureate degree.



When the curriculum requirement for an associate of science degree specifies a different course in the discipline than those listed above, the specified course may meet the Core Curriculum requirements for that degree.

A Bachelor of General Studies (B.G.S.) Degree

The B.G.S. degree is a viable alternative for a few individuals who may wish thorough preparation for a career in a specific field. To pursue this option the student should consult with the Registrar regarding the degree.

Academic Minor

Selected departments have developed an academic minor that in conjunction with the major strengthens the students' vocational preparation. A minor requires at least 18 semester hours of prescribed courses. At least six semester hours must be upper division and at least nine semester hours must be in residence. The overall GPA requirement is 2.0.

Special Requirements

Physical Education Requirements

All students are required to satisfactorily complete 3 hours of physical education before they are permitted to graduate. Currently, students must complete Kine 101, Physical Activity and Kine 103, Lifetime Wellness.

Students should take these courses during the freshman and sophomore years. Students who meet the following conditions may be exempt from all or part of this requirement:

- A. Students who transfer from colleges where physical education is not taught will be exempt from the requirements as follows:
 - (1) students transferring less than 15 semester hours will not be exempt from any of the requirements;
 - (2) students transferring 15 to 60 semester hours will be exempt from one hour of physical education.

- B. Upon presentation of proper documentation to the Registrar, a veteran may petition for credit in physical education.

State Legislation Requirement

Section 170.011 of the Revised Statutes of Missouri, 1989, prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have "satisfactorily passed an examination of the provisions and principles of the Constitution of the United States and of the State of Missouri, and in American History, and in American Institutions."

Students may comply with the law

- (1) by completing courses embracing the subject matter specified by the law and receiving credit therein, preferably before admission to senior college work; or
- (2) by certification of the completion of such requirements in another collegiate institution.

All students who have completed the Core Curriculum requirements meet the requirements of Missouri law. Out-of-state students who do not complete their general education at Missouri Southern must pass a special examination on the Missouri Constitution.

School Laws of Missouri, 1974, require that persons cannot be granted a certificate or license to teach in the public schools of Missouri unless they have satisfactorily completed a course of two or more semester hours in the psychology or education of the exceptional child. This requirement can be met by taking Psy 302.



Commencement Requirements

Degrees are conferred only at scheduled commencement exercises. Students who graduate in the fall term, the following spring term or the following summer term are to participate in the annual spring commencement exercise. A student ready for graduation must be present at commencement in order to receive a degree. However, a candidate may graduate in absentia with the permission of the Vice President for Academic Affairs.

General Regulations

Classification of Students

A. By Class

Freshman: 0-29 Hours
Sophomore: 30-59 Hours
Junior: 60-89 Hours
Senior: 90 and above
Special Admission: See page 41.

B. Postgraduate:

Persons having completed a baccalaureate degree but taking courses for the purpose of teacher certification, job preparation and additional degree or personal profit.

C. Full-time:

A student enrolled for 12 or more semester hours.

D. Half-time:

A student enrolled in 6-11 semester hours.

E. Less Than Half-time:

A student enrolled in fewer than 6 semester hours.

Concurrent Enrollment

A student who is enrolled in residence at Missouri Southern and who desires to earn credit concurrently at another institution or through correspondence extension, advanced standing examination or USAFI examinations must secure advanced approval from a School Dean. Exceptions: Armed Forces personnel will be granted 60 days from the date of their first enrollment to establish, through USAFI examinations, advanced standing in subject matter which they mastered while in the Armed Forces.

Combined Degree Programs

Missouri Southern State College has established several combined degree programs whereby the student completes a structured number of academic hours under the regulations

48 / *General Regulations*

established by the College and combines with this the satisfactory completion of the professional curriculum from a school with which the college has an agreement.

1. Complete 94 hours at Missouri Southern State College. Transfer credit will be considered, but the last 30 of the 94 hours must be earned at MSSC.
2. The 94 hours must include the completion of the Core Curriculum requirement.
3. Sixteen out of the last 94 hours must be upper division (300 and 400 level courses).
4. All applicable "Requirements for Graduation" as stated in the Missouri Southern State College catalog must be met including the application for degree candidacy, the graduation fee, and the filing of credentials with the Career Services Office.
5. A transcript from the institution with which a combined degree agreement is arranged must be provided in order to complete the requirements for a degree.

Co-Admission

Students who enroll at Crowder College but meet the admission requirements of Missouri Southern and plan to transfer to Missouri Southern may apply for Co-Admission. The application will be done by the Crowder College Admission Office. Records for co-admitted students will be maintained at both institutions. Missouri Southern will assist in the academic advising of co-admitted students prior to transfer to Missouri Southern.

Second Baccalaureate Degree

A student may receive a second baccalaureate degree after completing the first degree and all the requirements of the second degree. A student may not earn the same degree more than once, even though the majors differ. The "Residency" does apply.

Transcript Below "C" Average

Students who are accepted with a below "C" transcript and who are below the minimum standards for progress will be placed on Academic Probation. Missouri Southern accepts all grades from any equally accredited institution including both "D's" and "F's".

Maximum Credit Hour Load

To enroll in more than 18 semester hours during a semester or in more than nine hours during a summer session, a student, with the exception of music majors, must obtain prior written permission from the school dean. Music majors may carry as many as 20 semester hours without permission from their dean.

Late Enrollment

Enrollment in a regular semester after the first week of classes or after the third day of classes in the summer session is not

advisable and is permitted only with special permission from the appropriate department head. Any student enrolling after classes begin will pay a late enrollment fee.

Withdrawal from College

A student who wishes to withdraw will initiate withdrawal in the Office of Counseling and Testing (114 Hearnese Hall). A student who completely withdraws from the college prior to the last week of classes in a regular or summer semester may receive a grade of "W" in all courses in which the student is enrolled. Withdrawal from the College after the last week of classes in a regular or summer semester will result in a grade of "F" being recorded for all courses, unless other arrangements are made through the Office of the Registrar. A student who leaves school without officially withdrawing shall receive grades of "F" in all courses.

Course Withdrawal

A student may initiate the withdrawal from a course in the Registrar's Office. Deadlines and grades cited in the College Catalog apply.

Adding Courses

A student may add a course in the appropriate Dean's Office, but only upon the approval of an adviser. A fee will be charged each time a student changes the program not at the request of the college. No course may be added after the first week of classes in a regular semester or after the third day of classes in the summer session without special permission.

Class Attendance

Faculty members keep records of attendance in all regularly scheduled courses at Missouri Southern. The primary objective of student and professor is the student's attainment of course goals. It is recognized that students who achieve those objectives are normally those who attend class regularly. The professor, when giving a final semester grade, bases his/her evaluation on how well the student has achieved the course goals.



In the event that a student misses any class for ten (10) consecutive working days, the faculty member will report this in writing to the Office of the Registrar.

Missouri Southern may discontinue the enrollment of any student for non-attendance.

Students who miss a class do so at their own risk and must assume the responsibility for work missed because of class absences. Professors are willing to assist students whose absences are caused by valid illnesses, college approved activities, and extenuating circumstances. The professor may require whatever evidence is needed to support the reason for absence.

The attendance record is significant to the total record and is useful in guidance and counseling. When absences are excessive, the professor will report the fact to Student Services and they will in turn counsel with the student. The total number of student absences in a class will be reported to the Registrar's Office along with the final grade at the end of the semester.

Students should be aware that absence from class invariably has a built-in penalty of lower academic achievement. Excessive absences usually result in failure to achieve the course goals.



Credit/No-Credit System of Grading

Students in some programs may register to take certain courses on a credit/no-credit basis. In such cases, "Credit" or "No-Credit" will be recorded rather than a letter grade and these courses will not be counted in grade-point averages. This program will permit a student to explore course work outside of the major without jeopardizing the grade point average. The minimum performance level required to receive credit in a credit/no-credit course is a grade of "D". Students may be eligible to enroll for certain courses on a credit/no-credit basis under the following conditions:

1. That such registration be approved by the adviser and the head of the department through which the course is offered.
2. That the student has attained sophomore rank, or higher (30 or more hours).
3. That the student has achieved a cumulative grade point average of at least 2.0.
4. That such enrollment be limited to one course per semester.
5. That the total enrollment on a credit/no-credit basis be limited to no more than three courses or 10 credit hours in any student's degree program.
6. That the courses involved are not part of the student's major or minor and are not specifically required as part of the student's degree program. (Hours beyond the minimum required for the major or minor may be taken on a credit/no-credit basis.)
7. That the courses involved are not part of the Core Curriculum requirement.
8. Normally, registration for credit/no-credit courses will be completed prior to the final date for changing registration by adding a course.
9. After a student has enrolled in a course under the credit/no-credit option, that individual may not subsequently change to a graded basis in that course.

Grades and Grading Policies

Grading System

A student's grade is officially recorded by letter. At Missouri Southern, the following grades and their numerical equivalents are used:

Grade		Grade Points
A	Outstanding	4
B	Above Average	3
C	Average	2
D	Minimum Passing	1
F	Failing	0
W	Withdrawal	

The current policy for the "W" grade is as follows:

- (a) Course withdrawals will be permitted through the first week of the semester without any grade recorded.
- (b) Course withdrawal during the second through the ninth week of the semester will be indicated by a "W" posted to the record.
- (c) Course withdrawals are not permitted after the ninth week of the regular semester (or its equivalent). Exceptions to this policy are infrequent and must be pursued by means of academic petition. A student who stops attending class without officially withdrawing is in jeopardy of receiving an "F" in the course.

50 / *General Regulations*

This policy does not apply to those courses regularly designated as credit/no-credit courses. Such courses are Mus 240 Recital Attendance, Educ 462 Student teaching.

Incomplete (I): A grade of "I" may be reported if a student is unable to complete the work of the course within the semester for a valid reason such as illness, death in the family, an emergency, etc. It is not intended as a substitute for an "F" and does not entitle a student to attend the class during a subsequent semester. An incomplete must be made up by the end of the next semester (excluding summers) or it will be converted to an "F" automatically. Both credit and grade points for that course are suspended until the incomplete is converted to either a passing grade or an "F".

Audit (AU): A student may audit a class for no grade and no credit. Acceptable performance, attitude and attendance as determined by the professor are expected. Regular fees and enrollment procedures are required. A student may not change enrollment from audit to credit nor from credit to audit. An audit means only that a student registered for the course. It does not imply any level of proficiency or knowledge.

Change of Grade: A change is initiated by the faculty member by filing a Change of Grade form with the Registrar. No change of grade is to be made without good cause. Exceptional cases will be reviewed by the (immediate supervisor), school dean and Vice President for Academic Affairs.

Independent Study: Independent study courses are special courses which may be taken by outstanding students at the discretion of the faculty adviser and the appropriate college officials. Students may enroll in independent study courses for a total of three hours on the associate degree and a total of six hours on the baccalaureate degree providing they:

1. have completed
Associate Degree — 30 hours
Baccalaureate Degree — 90 hours
2. have a minimum cumulative 3.00 GPA
3. have permission of the adviser, department head and the school dean in the area of independent study.

Independent study is designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Substituting independent study for a regular course is seldom done.

Posting of Grades: College legal counsel advises that the public posting of a student's name and grade, or student number and grade, without the student's approval, is a violation of the Buckley Amendment (Family Education Rights and Privacy Act of 1974) which does not allow disclosure of recorded data or information without the individual's written consent.

Official Transcript: An official transcript of the student's academic record bears the Registrar's signature and the College seal. Missouri Southern assumes no responsibility for the accuracy of a transcript after it leaves the Registrar's Office.

Up to two weeks must be allowed after the close of a semester for the issuance of an up-to-date transcript. The transcript request must be made in writing. Each student is entitled to two (2) free transcripts. Additional copies cost \$1.00 each. No transcript will be issued unless all bills at Missouri Southern are paid or are current according to agreement with the Business Office.

Academic Standards

Good Standing and Eligibility

Students enrolled at Missouri Southern are in good academic standing when they meet the standards of progress toward graduation as described below. Those falling below the prescribed norm will be placed on academic probation. Persons failing to achieve normal progress toward graduation during the probationary period are subject to academic suspension. Students receiving financial aid must meet the good standing criteria described below.

Those students competing in intercollegiate athletics or in organizations representing the College off campus shall be required to satisfy minimum standards of progress, as indicated below, following the completion of the first academic year in order to maintain future eligibility in these programs.

Academic Bankruptcy

A student may petition the Academic Policies Committee to request one semester of academic work be disregarded in computing the academic record. To be eligible for petitioning, a student must be currently enrolled, in good standing and must document the unusual conditions which justify the petition. The petition may be initiated in the Registrar's Office.

Academic Bankruptcy can never be used as a means of obtaining academic honors or athletic eligibility. Academic Bankruptcy will not remove grades from the student's permanent record. It merely allows one semester of recorded work to be eliminated in computing the student's scholastic average.

Developmental Courses

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The college reserves the right to require these students to take precollege courses in mathematics, language arts and reading prior to participation in regular college classes.

Standards of Progress Toward Graduation*

A student's cumulative grade point average (GPA) is used to evaluate progress. If the grade point average falls below the minimum standards of progress, the work is considered unsatisfactory.

Progress toward a degree is computed on the following grade point averages:

A. For Associate Degree

<i>Hours Attempted</i>	<i>Grade Point Average</i>
1-22 semester hours	1.6
23-33 semester hours	1.7
34-44 semester hours	1.8
45-55 semester hours	1.9
56 & Above	2.0

B. For Baccalaureate Degree

<i>Hours Attempted</i>	<i>Grade Point Average</i>
1-22 semester hours	1.5
23-44 semester hours	1.6
45-66 semester hours	1.7
67-88 semester hours	1.8
89-110 semester hours	1.9
111 & Above	2.0

*Students who receive financial aid must comply with federal standards. The above may not reflect those standards.

Academic Probation, Suspension and Reinstatement

Each student should consider a grade point average of less than 2.0 as a warning. Those falling below the standards of progress toward graduation will be placed on academic probation. If the grade point average is not raised to the minimum standard of progress during the probationary semester, the student is subject to immediate academic suspension from the College.

A student receiving academic suspension may not enroll at Missouri Southern for one semester. Re-entry may be denied by the Vice President for Academic Affairs if the student cannot present evidence that indicates a high probability of academic success.

Repetition of Courses

Students may repeat courses in which grades "F, D, C, or B" have been earned. When a course is repeated, the first grade will not be removed from the record, but the latest grade will be used computing grade point averages.

298-398-498 Classes

Classes numbered 298, 398 or 498 may not be counted toward Core Curriculum credit.

Honor Roll

An Honors or Deans' List, issued at the end of each semester, contains the names of full-time undergraduate students who have a 3.75 grade point average or higher with no "I" grade or a grade below "C."

Graduation Honors

In recognition of superior scholarships, the College awards honors to associate degree and baccalaureate degree graduates. Honors listed below are not earned until courses are completed, graded and posted on the students' permanent record.

Associate Degree — The student must have completed a minimum one half of the hours required for the degree in residence at Missouri Southern State College. The cumulative grade point average required to receive:

First Honors	3.90-
Second Honors	3.80-3.89
Third Honors	3.70-3.79

Baccalaureate Degree - Eligibility for any one of the following three honors requires the candidate to study all the junior and senior years at Missouri Southern and earn a minimum of 60 hours of credit:

Summa Cum Laude	3.90-
Magna Cum Laude	3.80-3.89
Cum Laude	3.70-3.79

Course Numbers and Levels

Course Numbers:

0- 99	Applicable toward the associate degree only
100-199	Primarily for freshmen
200-299	Primarily for sophomores
300-399	Primarily for juniors
400-499	Primarily for seniors

Normally, courses numbered 100-299 are considered lower division level courses and those numbering 300-499 are upper division level courses. There are more significant distinctions between the lower and upper division courses than within the levels of the lower and upper division courses.

The student should check the catalog description of the course to see whether the second semester of a sequence course makes the first semester a prerequisite.

Freshmen are not allowed to take any course above the 200 level unless qualified by advanced placement tests. The exception is infrequent.

52 / *General Regulations*

All courses offered are listed in the catalog. Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

Major or Area of Interest

All students will be required to declare their degree sought, their major (or area of interest), their status (regular or other) and whether they will attend half-time or full-time.

Revised Standards for Veteran's Educational Benefits

The Revised Standards for Veteran's Educational Benefits as adopted by the State Board of Education on February 17, 1977, are available in the Veteran's Affairs Office. Each Veteran should see the veteran counselor or veterans representative regarding these policies.

Any exceptions to the regulations above must receive written approval from the Vice President for Academic Affairs.

Special Policies for Financial Aid Recipients

Special policies and regulations governing financial aid recipients are filed in the Financial Aid Office, the Business Office and the Office of the Vice President for Student Services.

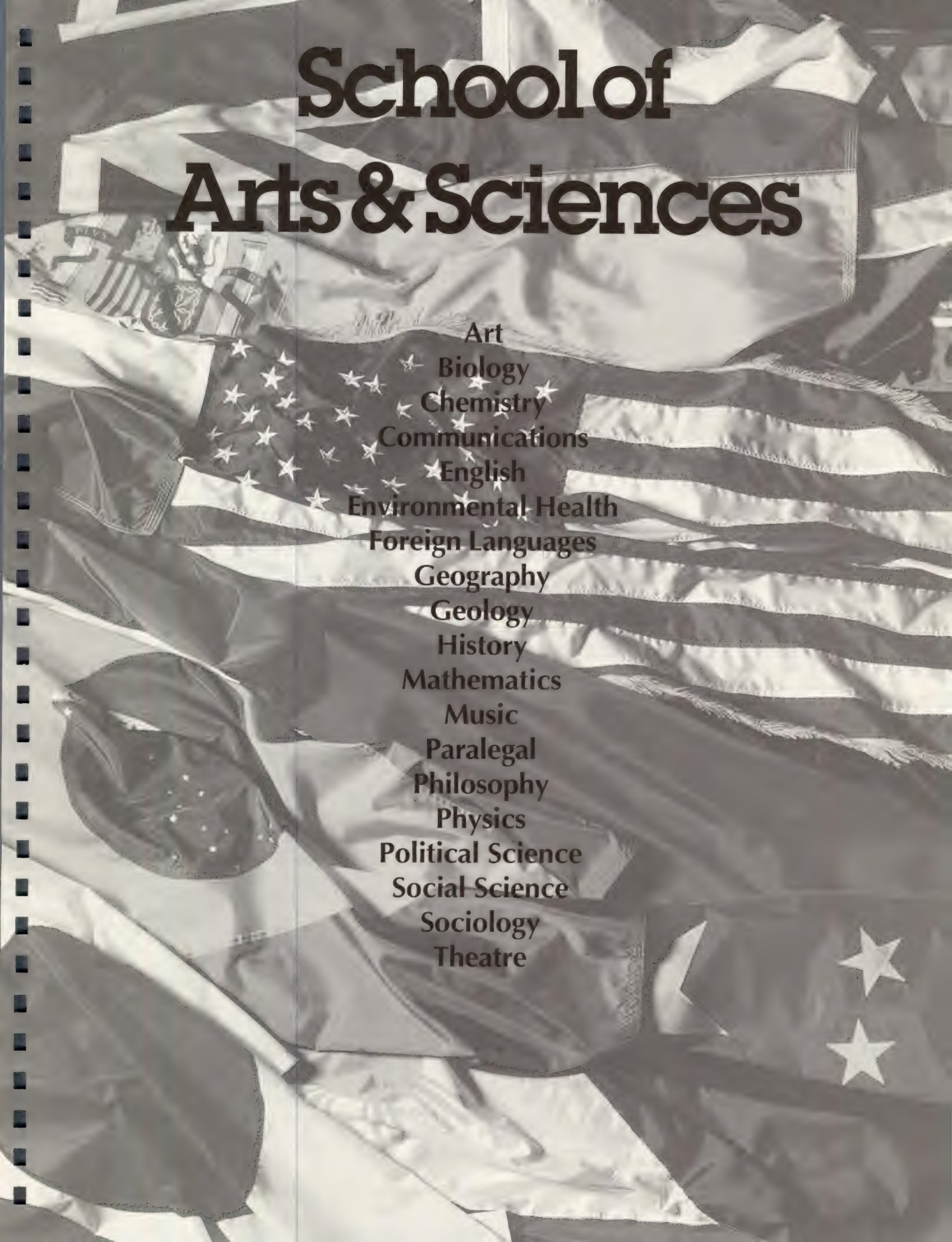
Catalog Time Limit

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first registration at MSSC provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSC during the year of the catalog selected.

Transfer Student: The MSSC catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school during the year of the catalog selected.

The degree requirements in the 1997-99 Catalog became effective June 1, 1997

School of Arts & Sciences

The background of the page is a collage of American flags, with their stars and stripes clearly visible. In the lower-left corner, there is a black and white image of a mortarboard, a traditional academic cap.

Art
Biology
Chemistry
Communications
English
Environmental Health
Foreign Languages
Geography
Geology
History
Mathematics
Music
Paralegal
Philosophy
Physics
Political Science
Social Science
Sociology
Theatre

School of Arts & Sciences

School Dean

J. Larry Martin
Hearnes Hall 318, 625-9385

Degrees and Majors

Bachelor of Arts

Art
Chemistry
Communications
English
History
Music
Political Science
Sociology
Spanish
Theatre

Bachelor of Science

Biology
Chemistry
Environmental Health
Mathematics
Physics
Sociology

Bachelor of Science in Education

Art
Biology
Chemistry
English
Mathematics
Music
Physics
Social Studies
Spanish
Speech-Theatre

Options and Emphases

Art (B.A.)
Studio Art
Graphic Communications
Communications (B.A.)
Speech Communications
Mass Communications
Mathematics (B.S.)
Mathematics
Computational Mathematics
Music (B.S.E.)
Double Certification
Instrumental
Vocal
Social Studies (B.S.E.)
History
Political Science
Sociology

Minors: See Departments

Role

Consisting of nine departments and 14 major disciplines, the School of Arts and Sciences has two primary roles. One is to provide the foundation of all higher education called the liberal arts component or Core Curriculum. The other is to educate students for professional careers and for graduate school. The Core Curriculum at Missouri Southern is designed to meet the needs of the individual and of society, needs which include communicating, critical thinking, clarifying values, functioning within social institutions, using science and technology and using the arts.

Scope

The School of Arts and Sciences has three principal responsibilities: teaching, research and creative activities, and community service.

Quality teaching, the first responsibility, is essential to sound academic programs. Consequently, teaching is important to liberal arts and is the major role of the faculty. In the School of Arts and Sciences, the faculty strive to educate students both deeply within a discipline and widely across disciplines; deeply, to help them achieve excellence and widely, to help them develop a lifelong habit of self education and thus readily adapt to change.

The second responsibility of the School of Arts and Sciences is scholarly research and creative activity. The aim of scholarly research is both improvement of teaching and advancement of knowledge. The aim of creative activity and performance is to enrich the participant's understanding and proficiency both as a teacher and as an artist and to enhance the cultural opportunities of the community.

The third responsibility of the School of Arts and Sciences, one which is closely related to the first two, is community service as an academic and cultural resource. The School functions as an academic resource by consulting and providing academic expertise to help solve community problems. It functions as a cultural resource by presenting to the public films, arts exhibitions, dramatic productions, musical concerts and recitals.



Art

Art Building 303, 625-9563

Faculty Bray - Head, Christensen, Fowler, Hess, Noblett, Schwieger

Career opportunities available for the qualified bachelor of arts degree graduates are in commercial art, free-lance and private studio lessons. This degree also prepares the graduate to enter an advanced degree program on the master's level in a specific art discipline. Graduates with a bachelor of science in education degree with a major in art are certified through the teacher education program to teach K-12 in the state of Missouri.

Degree requirements in the four art programs - B.A. (studio emphasis); B.A. (graphic communications); B.S.E. (one of two teaching fields); B.S.E. (single teaching field) - are such that it is extremely important that students majoring in art meet with their faculty advisers each semester. Students are responsible for contacting their adviser after completing 21 semester hours in art to make application for their Junior Review. For this review, students are required to submit a representative sampling of their creative work, a record of academic progress and a statement of intent and/or objectives for examination by a committee of the art faculty. Written permission of the Junior Review Committee is required for a student to enroll in Art 490 Senior Exhibit. The committee meets at the beginning of each fall and spring semester. Entering transfer students must make application for the review during their first semester. Application forms and more detailed information are available in the department of art office, 204 Art Building.

Core Curriculum requirement for non-art majors, for one course in Area 2, Humanities and Fine Arts, is fulfilled by Art 110, Art Appreciation.

Bachelor of Arts with a Major in Art Emphasis I

Studio Art

Semester Hours

Core Requirements (p. 43) 51

Computer Literacy Requirement
(determined by art department) 2-3

Foreign Language (four courses in one language) 12

Art Requirements 53

Art 101	Basic Design	3
Art 105	Design & Color Theory*	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 211	Beginning Sculpture*	3
Art 205	Beginning Jewelry*	3
Art 230	Basic Form*	3
Art 232	Beginning Painting*	3
Art	Art History (upper division)	9
Art 310	Transparent Watercolor*	3
Art 312	Beginning Printmaking*	3
Art 300	Advanced Drawing*	3
OR		
Art 421	Life Drawing*	3
Art 490	Senior Exhibit*	2
Art Electives (300 - 400 level courses)		9

Electives 9-10
128**

*See Prerequisites

**Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Arts with a Major in Art

Emphasis II Graphic Communications

Semester Hours

Core Requirements (p. 43) 51

Computer Literacy Requirement-
determined by art department 1-3

Foreign Language (four courses in one language) 12

Art Requirements 50

Art 101	Basic Design	3
Art 105	Design & Color Theory*	3
Art 130	Beginning Drawing	3
Art 205	Beginning Jewelry*	3
OR		
Art 230	Basic Form*	3
Art 215	Computer Design I*	3
Art 240	Typography and Lettering	3
Art	Art History (upper division)	9
Art 232	Beginning Painting	3
OR		
Art 300	Advanced Drawing*	3
Art 421	Life Drawing*	3
Art 310	Watercolor*	3
Art 312	Beginning Printmaking*	3
Art 315	Computer Design II*	3
Art 325	Graphic Communications I*	3
Art 350	Graphic Communications II*	3

Art 425	Graphic Communications III*	3
Art 450	Graphic Communications IV****	3
Art 490	Senior Exhibit*	2
Electives**		3-4

Additional Requirement:

CJAd 210	Basic Photography	3
		128***

**Suggested Elective Courses:

Art 120	Beginning Ceramics	3
Art 232	Beginning Painting*	3
Art 205	Beginning Jewelry*	3
Art 230	Basic Form*	3
Art 211	Beginning Sculpture*	3
Art 421	Life Drawing*	3
GB 320	Business Communications*	3
MM 300	Principles of Marketing*	3
MM 401	Promotional Strategy*	3

*See Prerequisites

***Must include at least 40 upper division (300-400 level) hours.

****Satisfies departmental computer literacy requirement.

Bachelor of Science in Education with a Major in Art

Grades K-12 Certification

Plan A One of Two Teaching Fields

Semester Hours

Core Requirements (p. 43) 51* 48

Art Requirements 41

Art 101	Basic Design	3
Art 105	Design & Color Theory**	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 200	Arts & Crafts	3
Art 211	Beginning Sculpture**	3
Art 220	Art Education	2
Art 230	Basic Form**	3
Art 232	Beginning Painting**	3
Art 312	Beginning Printmaking**	3
Art	Art History (upper division)	9
Art Electives		3

Second Teaching Field (some fields exceed 30 hours) 30

Education Certification Requirements

(p. 149) 41-42
160-161***

*Psy 100 satisfies certification requirements and 3 hours of the Core Curriculum. Area 3C

**See Prerequisites included with course descriptions

*** (Varies with 2nd field)

Bachelor of Science in Education with a Major in Art

Grades K-12 Certification

Plan B Single Teaching Field

Semester Hours

Core Requirements (p. 43) 51* 48

Art Requirements 49

Art 101	Basic Design	3
Art 105	Design & Color Theory**	3
OR		
Art 230	Basic Form**	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 200	Arts & Crafts	3
Art 211	Beginning Sculpture**	3
Art 220	Art Education	2
Art 232	Beginning Painting**	3
Art 312	Beginning Printmaking**	3
Art	Art History	9
Art 490	Senior Exhibit**	2
Art	Electives	12

Education Certification Requirements
(p. 149) 41-42

138-139

*Psy 100 satisfies certification requirements and 3 hours of the Core Curriculum. Area 3C

**See Prerequisites included with course descriptions.

Minor in Art

Semester Hours

Art 101	Basic Design	3
Art 110	Art Appreciation	
OR		
Art	Art History	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 211	Beginning Sculpture*	3
OR		
Art 205	Beginning Jewelry*	
OR		
Art 230	Basic Form*	3
Art 232	Beginning Painting*	
OR		
Art 310	Watercolor*	3
Art 312	Beginning Printmaking*	3

21

*See Prerequisites included with course descriptions.

Minor in Art With Emphasis in Graphic Design

	Semester	Hours
Art 101	Basic Design	3
Art 105	Design/Color Theory*	3
Art 130	Beginning Drawing	3
Art 240	Typography & Lettering	3
Art 325	Graphic Communications I*	3
Art 350	Graphic Communications II*	3
Art 425	Graphic Communications III*	3
		21

* See Prerequisites

Recommended Class: Basic Photography

Suggested Order of Study

Bachelor of Arts

Major Code 1002

Art Major

Emphasis I: Studio Art

Freshman Year

1st Semester

Course	Hours
Art 101	Basic Design 3
Art 130	Beginning Drawing 3
CORE	[Eng 101 Comp I] 3
CORE	[Math 110 Intro to Col Math] 3
CORE	[Hist 110 U.S. History] 3
CORE	[Kine 103 Lifetime Wellness] 2
17	

2nd Semester

Art 105	Design & Color Theory*	3
Art 230	Basic Form*	3
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 120 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore Year

1st Semester

Art 205	Beginning Jewelry*	3
Art 120	Beginning Ceramics	3
CORE	[Bio 101 General Biology]	4
CORE	[Comp 105 Comp Literacy]	3
Art	Art History **	3
		16

2nd Semester

Art 110	Art Appreciation	3
Art 211	Beginning Sculpture*	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Soc 110 Intro to Sociology]	3
Art 232	Beginning Painting	3
		17

Junior Year

1st Semester

Foreign Language		3
CORE	[Mus 110 Music Apprec]	
OR		
CORE	[Th 110 Theatre Apprec]	3
Comm 305	Intercultural Comm	
OR		
Anth 342	Comparative Cultures	
OR		
GB 310	International Business	3
Art 300	Advanced Drawing	
OR		
Art 421	Life Drawing	3
Art	Art History**	3
		15

2nd Semester

Art	Art History**	3
Art 310	Watercolor	3
Art 312	Beginning Printmaking*	3
Foreign Language		3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
		15

Senior Year

1st Semester

Art 490	Senior Exhibit*	2
CORE	[Eng 281/282 American Lit]	3
Art	Electives***	6
CORE	[Econ 180 Amer Econ Sys]	3
Foreign Language		3
		17

2nd Semester

Art	Art History**	3
Art	Electives***	6
Electives	Approved by the adviser***	6
Foreign Language		3
		18

*See Prerequisites

**9 hours required-select from Art 301, 302, 303 or 304 Art History

***Select from 300 or 400 level courses
[Department Recommendations]

Bachelor of Arts

Major Code 1003

Art Major

Emphasis II: Graphic Communications

Freshman Year

1st Semester

Course	Hours
Art 101	Basic Design 3
Art 130	Beginning Drawing 3
CORE	[Eng 101 Comp I] 3
CORE	[Math 110 Intro to Col Math] 3
CORE	[Hist 110 U.S. History] 3
CORE	[Kine 103 Lifetime Wellness] 2
CORE	[Psy 120 College Orient] 1
18	

2nd Semester

Art 105	Design & Color Theory*	3
CJAd 210	Basic Photography	3
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 120 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore Year

1st Semester

Art 205	Beginning Jewelry*	
OR		
Art 320	Basic Form*	3
Art 240	Typography & Lettering	3
Art 215	Computer Design I*	3
CORE	[Bio 101 General Biology]	4
CORE	[Eng 271/272 English Lit]	3
		16

2nd Semester

Art 232	Beginning Painting	
OR		
Art 300	Advanced Drawing*	3
Art 412	Life Drawing*	3
Art 315	Computer Design II*	3
CORE	[Phys 100 Phys Sci]	5
CORE	[Eng 281/282 American Lit]	3
		17

Junior Year

1st Semester

Art 110	Art Appreciation	3
Art 310	Watercolor*	3
Art 325	Graphic Comm I*	3
Foreign Language		3
Comm 305	Intercultural Comm	
OR		
Anth 342	Comparative Cultures	
OR		
GB 310	International Business	3
		15

2nd Semester

Art	Art History**	3
Art 312	Beginning Printmaking*	3
Art 350	Graphic Comm II*	3
Foreign Language		3
CORE	[Soc 110 Intro to Sociology]	3
		15

Senior Year

1st Semester

Art	Art History**	3
Art 490	Senior Exhibit*	2
Art 425	Graphic Comm III*	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Elective	[MM 300 Prin of Marketing]	3
Foreign Language		3
		17

2nd Semester

Art	Art History**	3
Art 450	Graphic Comm IV* ***	3
CORE	[Econ 180 Amer Econ Sys]	3
Elective	[Bus 320 Bus Comm]	
OR		
Elective	[MM 401 Promo Strategy]*	3
Foreign Language		3
		15

* See Prerequisites

**9 hours required—select from Art 301, 302, 303 or 304 Art History

***Satisfies departmental requirement for a computer application course.

[Department Recommendations]

Bachelor of Science in Education

Major Code 0831

Art Major (Plan B)

Single Teaching Field

Grades K-12 Certification

Freshman Year

1st Semester

Course	Hours
Educ 100 Orientation to Educ I	1
Psy 100 General Psychology	3
Art 101 Basic Design	3
CORE [Eng 101 Comp II]	3
CORE [Math 110 Intro to Col Math]	3
CORE [Kine 103 Lifetime Wellness]	2
CORE [Psy 120 College Orient]	1
	16

2nd Semester

Art 110 Art Appreciation	3
Art 130 Beginning Drawing	3
Art 105 Design & Color Theory*	
OR	
Art 230 Basic Form*	3
CORE [Comm 100 Oral Comm]	3
CORE [Eng 102 Comp II]	3
CORE [Kine 101 Physical Activity]	1
Psy 305 Developmental Psychology	3
	19

Sophomore Year

1st Semester

Take C-Base test.

Educ 200 Orientation to Educ II	1
Art 200 Arts & Crafts	3
Art 220 Art Education	2
Art Elective	3
CORE [Bio 101 General Biology]	4
CORE [Hist 110 U.S. History]	3
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
	19

2nd Semester

Apply for admission to Teacher Education.

Educ/Psy 302 The Exceptional Child	2
Educ 301/401 Computer Software***	3
If computer literacy requirement is not met in the specialty department.	
Art 211 Beginning Sculpture*	3
Art 232 Beginning Painting*	3
CORE [Eng 281/282 American Lit]	3
CORE [Phys 100 Fund of Phys Sci]	5
	19

Junior Year

1st Semester

Pass media competencies.

Psy 310 Educational Psychology	2
Educ 329 Ped Theo Meth & Prac	4
Educ 321 Microteaching	2
Educ 423 Classroom Management	2
Note: See Ed 420 below****	
Art Art History**	3
Comm 305 Intercultural Comm	
OR	
Anth 342 Comparative Cultures	
OR	
GB 310 International Business	3
	16

2nd Semester

Educ 422 Tch Reading in the Sec Sch	2
Art 120 Beginning Ceramics	3
Art Art History**	3
Art 312 Beginning Printmaking*	3
Art Elective	3
CORE [Econ 180 Amer Econ Sys]	3
	17

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for professional semester courses.

Art Art History**	3
Art 490 Senior Exhibit*	2
Art Elective	6
CORE [Eng 271/272 English Lit]	3
CORE [Hist 120 U.S. History]	3
	17

2nd Semester

Educ 337 Tchng Art in the Sec Sch	2
Educ 402 Foundations of Educ	2
Educ 432 Critical Issues	2
Select one:	
Educ 412 Indivi Curri Dev (2)	
OR	
Educ 420 Intro to Counseling**** (3)	
OR	
Psy 412 Meas & Eval (2)	2-3
Educ 464 Student Teaching K-12	8
	16-17

*See Prerequisites

**9 hrs. required—select from Art 301, 302, 303 or 304 Art History

***Satisfies departmental requirement for a computer application course.

****Offered at night only. Must be taken the semester prior to student teaching.

[Departmental Recommendations]

After accumulating 21 hrs. in art, students must make application for their Junior Review via their adviser.

Consult catalog for requirement for Plan A (Art instruction/certification for one of two teaching fields).

For additional information contact:

Mr. Jim Bray

Office: Art Building 303

Phone: 625-9563

Course Descriptions

Art 101 (F and/or S) 3 hrs. cr.

Basic Design

Foundation studio course using design principles and elements of structure. Six studio hrs. per week. Lab fee required.

Art 105 (F and/or S) 3 hrs. cr.

Design and Color Theory

Foundation studio course dealing with the theories, problems and applications of color. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 or approval of instructor.

Art 110 (F, S) 3 hrs. cr.

Art Appreciation

A survey designed to increase appreciation of the visual arts through readings, slide lectures, library research and visits to the George A. Spiva Center for the Arts. Development of the cognitive and critical processes as they relate to the visual arts are emphasized. Specially recommended toward meeting Core Curriculum requirements for non-art majors.

Art 120 (F and/or S) 3 hrs. cr.

Beginning Ceramics

Methods and techniques of throwing and/or hand building with application of glazing and firing. Six studio hrs. per week. Lab fee required.

Art 130 (F and/or S) 3 hrs. cr.

Beginning Drawing

Development of perceptual drawing skills through the study of line, value, perspective, composition and reduction of form using various media. Six studio hrs. per week.

Art 200 (F or S) 3 hrs. cr.

Arts & Crafts

Basic crafts survey exploring materials and processes of traditional and contemporary handicrafts.

Art 205 (F and/or S) 3 hrs. cr.

Beginning Jewelry Design/Metalsmithing

Creative exploration of design fabrications, casting and forging processes. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and/or Art 105 or approval of instructor.

Art 211 (F and/or S) 3 hrs. cr.

Beginning Sculpture

Exploration of forming methods involving wood, clay, plaster and mixed media with emphasis on additive and subtractive techniques. Six studio hrs. per week. Lab fee required. Prerequisite: Art 105 and/or Art 230, or approval of instructor.

- Art 215 (F) 3 hrs. cr.
Computer Design I
 Introduction to PageMaker and Freehand programs used on the Macintosh computer. Students will study desktop publishing, page layout, proper use of type and images. File and disk management, memory, storage and scanning will be included. Six studio hours per week. Lab fee required. Prerequisite: Art 101, Comp 105, or approval of instructor.
- Art 220 (F, S) 2 hrs. cr.
Art Education
 Creative art activities using media and processes with emphasis on methods of instructing art in elementary school. Required for both elementary education majors and secondary art education majors. Lab fee required.
- Art 230 (F and/or S) 3 hrs. cr.
Basic Form
 Studio exploration of the relationships of parts to form. Projects include two and three dimensional problems. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101.
- Art 232 (F and/or S) 3 hrs. cr.
Beginning Painting
 Procedures, techniques, historical processes and basic fundamentals of painting with oil. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and Art 130.
- Art 240 3 hrs. cr.
Typography and Lettering
 A studio course introducing the art of lettering/typography. Designed to develop the skills needed to competently use the tools, materials and methods employed by professionals in rendering layouts and comprehensives. All assignments use lettering or typography as the primary design element. Six studio hrs. per week. Lab fee required.
- Art 300 (F and/or S) 3 hrs. cr.
Advanced Drawing
 Advanced investigation of various drawing elements including compositions, structure and aesthetics. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 101 and Art 130 or approval of instructor.
- Art 301 (S, Odd) 3 hrs. cr.
Art History, Prehistoric Through Gothic
 Historic survey of the visual arts from prehistoric through the Middle Ages. Primarily in the Near East, North Africa and Europe.
- Art 302 (F, Odd) 3 hrs. cr.
Art History, Renaissance Through Baroque
 Historical survey of the visual arts of Europe from the Early Renaissance through the Baroque and Rococo. Comparative study of other cultures included.
- Art 303 (S, Even) 3 hrs. cr.
Art History, 19th Century
 Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism and Post-Impressionism.
- Art 304 (F, Even) 3 hrs. cr.
Art History, 20th Century
 Study of the mainstreams of Western Art in Europe and the United States, including its sources and influences. Emphasis placed on the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from 1945 to present.
- Art 305 (Demand) 3 hrs. cr.
Art History: Special Topics
 Student art problems investigated with group participation. Requirements: research papers and oral presentations of investigated problems. Prerequisite: 21 credit hrs. in art. Strongly recommended by the art faculty.
- Art 310 (F or S) 3 hrs. cr.
Transparent Watercolor
 Techniques and aesthetic processes of watercolor painting using landscape, figures and still lifes as subjects. Six studio hrs. per week. Lab fee required. May be repeated for a total of six credit hrs. Prerequisite: Art 101 and Art 130 or permission of instructor.
- Art 312 (F and/or S) 3 hrs. cr.
Beginning Printmaking
 Procedures, techniques and fundamentals of the relief, intaglio process: etching, drypoint, aquatint, softground; collagraph printmaking and monotypes. Emphasis on drawing and design. Six studio hrs. per week. Lab fee required. Prerequisite: Art 130.
- Art 315 (S) 3 hrs. cr.
Computer Design II
 Advanced course designed primarily for the use of Illustrator and Photoshop on a Macintosh platform. Topics will include, photo editing and creative illustration. Preparation techniques for pre-press setup will be covered. Prerequisite: Art 215 or approval of instructor.
- Art 321 (F and/or S) 3 hrs. cr.
Advanced Sculpture
 Extension of Beginning Sculpture with introduction to the lost wax technique of casting bronze sculpture. Each student is permitted to cast one piece per semester. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 211.
- Art 322 (F and/or S) 3 hrs. cr.
Advanced Sculpture
 Continuation of Art 321. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs.
- Art 325 (F) 3 hrs. cr.
Graphic Communications I
 Introduction to commercial art with an emphasis on the recognition, duplication, function and aesthetic use of typography/pictorial images as a visual language. Includes lettering, layout and type/image relationships. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101, Art 105 and Art 130.
- Art 330 (F and/or S) 3 hrs. cr.
Advanced Jewelry Design/Metalsmithing
 Exploration of advanced methods and techniques of complex forms for jewelry and metalsmithing design. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 205 or approval of instructor.
- Art 350 (S) 3 hrs. cr.
Graphic Communications II
 Continued study of Graphic Communications I with an emphasis on the design and preparation of two-dimensional projects for printing and/or video reproduction. Includes an introduction to the development of an individual portfolio. Six studio hrs. per week. Lab fee required. Prerequisite: Art 325.
- Art 401 (F and/or S) 3 hrs. cr.
Advanced Painting
 Students select an individual problem for self-development using a variety of media. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 130 and Art 232.
- Art 407 (F and/or S) 3 hrs. cr.
Advanced Ceramics
 Advanced methods, techniques and procedures of pottery making and design in clay. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 120 or approval of instructor.
- Art 420 (F and/or S) 3 hrs. cr.
Special Projects in Art I
 Advanced studio survey selected by the student in a particular area of art. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper documenting the special project(s). Prerequisite: Completion of 2 advanced courses in the same area of concentration and approval of instructor and department head. Lab fee required. May be repeated for a total of 6 credit hrs.
- Art 421 (F and/or S) 3 hrs. cr.
Life Drawing
 Drawing and/or painting the human figure with emphasis on anatomy, structure and form. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisites: Art 130 and Art 232 or Art 300.

Art 425 (F) 3 hrs. cr.

Graphic Communications III

Continued study of Graphic Communications II with an emphasis on the design and preparation of two and three-dimensional projects for printing and/or video reproduction. Includes an introduction to computer-aided graphic techniques and equipment. Six studio hrs. per week. Lab fee required. Prerequisite: Art 350.

Art 430 (F and/or S) 3 hrs. cr.

Advanced Printmaking

Stencils (silkscreen), lithographic, advanced intaglio, relief and monoprint processes. Advanced studio methods for color registration and mixed media procedures. Emphasis on design, drawing concept, technical proficiency and presentation. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 312 or approval of instructor.

Art 440 (F and/or S) 3 hrs. cr.

Special Projects in Art II

Same as Art 420. May be repeated for a total 6 credit hrs. Lab fee may be required.

Art 450 (S) 3 hrs. cr.

Graphic Communications IV

Advance study of graphic design layout, production and/or video reproduction. Includes advanced projects with computer-aided graphic techniques and equipment. Completion of an individual portfolio is required. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 425.

Art 475 (Demand) 1-8 hrs. cr.

Graphic Communications Internship

An off-campus work experience in a professional setting for advanced art majors with a graphic communications emphasis. All internships must conform with institutional policy regarding the number of hrs. per credit and with contractual agreements involving the cooperating organization. Prerequisite: 6 hrs. of graphic communications, junior standing or above and approval of departmental committee.

Art 490 (F) 2 hrs. cr.

Senior Exhibit

Prepares senior art majors for their exhibit which is normally scheduled during spring in the Spiva Art Gallery. One hr. lecture, 2 hrs. of studio per week. Prerequisite: Senior standing and permission of the Junior Review Committee.

Art 498 1-3 hrs. cr.

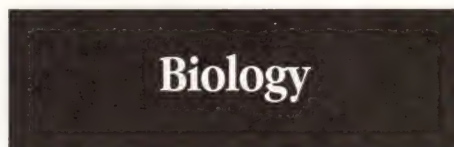
Art Seminar

For upper division Art majors or related majors. Topics and methods of current interest not included in other courses. Enrollment by permission of seminar instructor or department head required. Prerequisites to be determined by Art Department.

Art 499 (F and/or S) 1-3 hrs. cr.

Independent Study

An in-depth study of some specialized topic or project not considered in the art department course offerings. An adviser from the art faculty will structure the independent study with the approval of the department head. Prerequisite: At least 90 hours completed and an overall cumulative GPA of 3.0 or higher. Enrollment must be approved by the department head and school dean.



Reynolds Hall 210, 625-9376

Faculty Messick - Head, Adams, Bay, Fletcher, Jackson, Lawson, Schlink, Stebbins, Tillman, Wells

Biology, biology education and environmental health technology majors take a required core of fundamental courses. Requirements to complete these majors allow students to specialize and prepare for graduate school, professional school or specific careers. Support courses in mathematics and the physical sciences supplement courses in the major.

The biology department offers Bio 101, General Biology, to satisfy the Core Curriculum requirement of a biological science course with a laboratory. Bio 121, General Zoology, satisfies the biological science requirement for students in nursing, most associated degree programs that are health related, and certain other majors. Students meeting the core requirement with Bio 121 usually take additional biology courses, as well.

Bachelor of Science with a Major in Biology

(Major Codes 0401-0409)

	Semester Hours
Core Requirements (p. 43)	51*
Computer Literacy Requirement determined by biology department	2-3
Biology Requirements	40
Bio 101 General Biology	4
Bio 112 Botanical Survey**	3
Bio 122 Zoological Survey**	3
Bio 210 Molecular & Cellular Biology**	4
Bio 231 General & Medical Microbiology**	5
Bio 305 Genetics**	4

Bio 490 Seminar**	1
Bio Upper Division Botany Elective**	3-4
Bio Upper Division Zoology Elective**	4-5
Bio Upper Division Ecology Elective**	4
Bio Electives	3-5

Supporting Requirements 25

Math 140 Algebra and Trig**	
(Math 112 + Math 130 = Math 140)	
OR	
Math 150 Calculus with Analytic Geometry I**	5
Chem 101 General Chemistry I**	5
Chem 102 General Chemistry II**	5
Chem 300 Intro to Modern Organic Chemistry**	

OR	
Chem 301 Organic Chemistry I**	5
Phys 151 Elem College Physics I**	5

Electives 21-22 128***

*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hours of the Core Curriculum.

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hrs.

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major. Preprofessional students may need additional or different courses to meet admission requirements. See the explanation following the suggested order of study, and consult the appropriate adviser. Additions for preprofessional students are not required for the B.S. in Biology.

Bachelor of Science in Education with a Major in Biology

(Major Code 0840)

Unified Science With an Endorsement in Biology

	Semester Hours
Core Requirements (p. 43)	36
Educ 301 Use of Computer Software in the Classroom	3
Biology Requirements	35-36
Required Biology Courses	10
Bio 101 General Biology	4
Bio 112 Botanical Survey**	3
Bio 122 Zoological Survey**	3

Microbiology, Genetics, Cell Biology & Biochemistry, and Evolution 18

Bio 305	Genetics**	4
Bio 210	Molecular and Cellular Biology**	4
Bio 231	General and Medical Microbiology**	5
Bio 306	Human Physiology and Anatomy**	

OR		
Bio 331	Comparative Vertebrate Anatomy**	5

Botany - select one: 3-4

Bio 271	Principles of Plant Propagation (3)**	
Bio 316	Economic Botany (3)**	
Bio 322	Taxonomy of Flowering Plants (4)**	
Bio 371	Plant Physiology (4)**	
Bio 440	Plant Pathology (4)**	

Ecology - select one: 4

Bio 312	Environmental Biology (4)**	
Bio 402	General Ecology (4)**	
Bio 481	Aquatic Ecology (4)**	

Supporting Requirements 35

Phil 420	Philosophy of Science**	
OR		
Approved Substitute		3
Math 140	Algebra and Trig**	5
(Math 112 + Math 130 = Math 140)		
Chem 101	General Chemistry I**	5
Chem 102	General Chemistry II**	5
Phys 151	Elem College Physics I**	5
Phys 152	Elem College Physics II**	4
Geo 110	Intro to Geology	5
Phys 180	Intro to Meteorology	3

Education Requirements (p. 149) 39-41
148-151

Completion of the Biology Education program qualifies you to teach introductory level courses in biology, chemistry, earth science and physics, and to teach advanced courses in biology.

*Required courses in biology, chemistry, mathematics, physics and psychology satisfy major requirements and 15 hrs. of the Core Curriculum.

**See Prerequisites

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major.

Minors in Biology**Minor in Biology
(botany-horticulture emphasis,
minor code BIOB)**

		Semester Hours
Chem 100	Introductory Chemistry	5
Bio 101	General Biology	4
Bio 112	Botanical Survey*	3
Bio 316	Economic Botany*	3
Bio 271	Prin of Plant Propagation*	3
Bio 440	Plant Pathology*	4
Bio 322	Taxonomy of Flowering Plants*	4
Bio 332	Intro to Entomology*	4
Bio 499	Problems in Biology (1-3)*	
OR		
Bio 450	Internship in Biology (1-8)*1-8	

31-38

**Minor in Biology
(zoology-health science emphasis,
minor code BIOZ)**

Bio 101	General Biology	4
Bio 122	Zoological Survey*	3
Bio 331	Comparative Anat (5)*	
OR		
Bio 201	Human Anatomy (4)*	4-5
Bio 431	Animal Physiology*	
OR		
Bio 301	Human Physiology*	4
Bio 433	Histology (4)*	
OR		
Bio 462	Embryology (5)*	4-5
Bio 422	Invertebrate Zoo (5)*	
OR		
Bio 361	Parasitology (4)*	4-5
Bio 499	Problems in Biology*	1-3

24-29

**Minor in Biology
(environmental health emphasis,
minor code BIEH)**

Bio 101	General Biology	4
Bio 231	General and Medical Microbiology*	5
Bio 312	Environmental Bio*	4
Bio 499	Problems in Bio (1-3)*	
AND/OR		
Bio 450	Internship in Biology (1-8)*	1-8
Upper Division Bio or Env Health Electives		7-9

21-30

**Minor in Biology
(microbiology & biotechnology
emphasis, minor code BIOM)**

Bio 361	Parasitology* **	4
Bio 362	Virology*	4
Bio 442	Pathogenic Bacteriology*	5
Bio 456	Immunology*	4
Select one:		2-5
Chem 351	Biochemistry (4)*	
Bio 308	Pathophysiology (4)* **	
Bio 331	Comparative Vertebrate Anatomy (5)* **	
Bio 350	Antibiotic Resistance (2)*	
Bio 380	Epidemiology (3)*	
Bio 433	Histology (4)* **	
Bio 462	Embryology (5)* **	
Bio 481	Aquatic Ecology (4)* ***	

19-22

*See prerequisites

**Satisfies upper division zoology requirement for biology major

***Satisfies upper division environmental requirement for biology major

Suggested Order of Study**Bachelor of Science**

Major codes 0401, 0402, 0403, 0404, 0405, 0406, 0407, 408, 409

Biology Major**Freshman Year**

1st Semester		
Course		Hours
Bio 101	General Biology	4
CORE	[Eng 101 Comp I]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Hist 110 U.S. History]	3
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		15

15

2nd Semester

Bio 122	Zoological Survey (Bio 101)	3
Math 140	Algebra and Trig	5
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3

17

Sophomore Year

1st Semester		
Bio 112	Botanical Survey (Bio 101)	3
Bio 231	Gen & Med Micro (Bio 101)	5
Chem 101	Gen Chemistry I (Math 140)	5
CORE	[Econ 180 Amer Econ Sys]	3

16

2nd Semester

Bio 305	Genetics (Bio 101)	4
Bio 210	Molecular & Cellular Bio (Bio 112, 122, Chem 102)	4
Chem 102	Gen Chem II (Chem 101)	5
Bio 303	Comp App in Bio (consent)	OR
Approved computing course		2-3
		15-16

Junior Year

1st Semester

Bio 331	Compar Verte Anat (Bio 122)	5
Chem 301	Org Chemistry I (Chem 102)	5
Phys 151	Elem Col Phys I (Math 140)	5
CORE	[International Cultural Stu]	3
		18

2nd Semester

Bio 431	Animal Physiology (Bio 331)	OR
Bio 433	Histology (Bio 112, 122)	OR
Bio 462	Embryology (Bio 331)	4-5
Bio 322	Plant Taxonomy	4
CORE	[Humanities and Fine Arts]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 320 U.S. 1877-Present]	3
		17-18

Senior Year

1st Semester

Bio 362	Virology (Bio 231, 305)	4
Bio 371	Plant Phys (Bio 112, 210)	4
Bio 490	Seminar (consent)	1
Bio	Electives	2
CORE	[Behavioral Science]	3
CORE	[Kine 103 Lifetime Wellness]	2
		16

2nd Semester

Bio 402	Ecology (Bio 112, 122)	OR
Bio 481	Aquatic Ecology (Bio 122)	4
Bio 456	Immunology (Bio 231, 305)	4
Bio	Electives	9
		17

[Department Recommendations]
(Prerequisites)

Program must satisfy Writing Intensive requirements. (See p. 44)

Although not required for the B.S. in Biology, some students may need additional courses to meet admission requirements for professional or graduate school:

Preprofessional - Medicine

(Major code 0402)

Phys 152 Elementary College Physics II
AND
Chem 302 Organic Chemistry II

Preprofessional - Optometry

(Major code 0403)

Math 150 Calculus with Analytical Geometry I
Math 310 Elementary Statistics
Phys 152 Elementary College Physics II
AND

Chem 302 Organic Chemistry II

Students may apply to some optometry schools without a degree, and after completing certain required courses.

Preprofessional - Dentistry

(Major code 0404)

Phys 152 Elementary College Physics II
AND
Chem 302 Organic Chemistry II

Preprofessional - Veterinary

(Major code 0405)

Chem 351 Biochemistry

Students may apply to some veterinary schools without a degree, and after completing certain required courses.

Preprofessional - Pharmacy

(Major code 0406)

Math 150 Calculus with Analytical Geometry I
OR
Math 302 Calculus for Management
and the Social Sciences

AND

Chem 302 Organic Chemistry II

Students may apply to some pharmacy schools without a B. S. degree and after completing certain courses specific to different programs. The Preprofessional Associate of Arts Degree (p. 111) is an option for these students.

Preprofessional - Physical or Occupational Therapy

(Major code 0407)

Phys 152 Elementary College Physics
Psy 320 Applied Statistics for the Behavioral
and Natural Sciences

AND

certain other courses specific to different programs.

For additional information contact:

Dr. John Messick
Office: Reynolds Hall 215
Phone: 625-9617

Dr. Gerald Schlink (Premedicine)

Office: Reynolds Hall 313B
Phone: 625-9764

Dr. Scott Wells (Preoptometry, Preveterinary)

Office: Reynolds Hall 309
Phone: 625-9510

Mr. David Tillman (Predental, Physical and Occupational Therapy)

Office: Reynolds Hall 317D
Phone: 625-9698

Bachelor of Science in Education

Major Code 0840

Unified Science with Biology Endorsement

Freshman Year

1st Semester

Course		Hours
Bio 101	General Biology	4
CORE	[Eng 101 Comp I]	3
Math 140	Algebra & Trig	5
Educ 100	Orientation to Education	1
Psy 100	General Psychology	3
Psy 120	College Orientation	1
		17

2nd Semester

Bio 122	Zoology Survey (Bio 101)	3
Bio 231	Gen/Med Microbio (Bio 101)	5
CORE	[Humanities and Fine Arts]	3
Chem 101	General Chemistry I	5
		16

Summer Semester

CORE	[Humanities & Fine Arts]	3
CORE	[Eng 102 Comp II]	3
		6

Sophomore Year

1st Semester

Take C-Base Test.

Bio 112	Botanical Survey (Bio 101)	3
Chem 102	Gen Chem II (Chem 101)	5
CORE	[Kine 101 Physical Activity]	1
Educ 200	Orientation to Education II	1
Phys 180	Intro to Meteorology	3
Psy 301	Adolescent Psychology	3
		16

2nd Semester

Apply for admission to teacher education.

Phys 151	Elem Col Phys I (Math 140)	5
Bio 305	Genetics (Bio 101)	4
Educ 301	Computer Software	3
Educ 302	[Psy 302] The Excep Child	2
CORE	[Hist 110 U.S. 1877-Present]	3
		17

Summer Semester

CORE	[Humanities and Fine Arts]	3
CORE	[Comm100 Oral Comm]	3
		6

Junior Year

1st Semester

Pass Media Competencies.

Educ 329	Ped Theo, Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
CORE	[Kine 103 Lifetime Wellness]	2
Psy 310	Education Psychology	2
Phil 402	Philosophy of Science	OR
Approved Substitute		3
Phys 152	Elem Coll Phys II (Phys 151)	4
		19

2nd Semester

Bio 402	General Ecology (Bio 112, 122)	OR
Approved Ecology Elective		4
Bio 210	Molec & Cellular Bio (Bio 122, 122, Chem 102)	4
Bio 322	Taxonomy of Flowering Plants	OR
Approved Botany Elective		3-4
Educ 422	Tchng Rdng in Sec School	2
CORE	[Econ 180 Amer Econ System]	3
		16-17

Summer Semester

CORE	[Hist 320 U.S. 1877-Present]	3
------	------------------------------	---

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for Professional Semester courses.

Bio 306	Human Physiology & Anatomy (Bio 121 or consent)	OR
Bio 331	Compar Vertebrate Anatomy (Bio 122)	5
CORE	[PSc 120 Gov't:U.S./St/Loc]	3
Geo 110	Intro to Geology	5
CORE	[International Cultural Stud]	3
		16

2nd Semester

Educ 333	Tching Sci in Sec Sch	3
Educ 402	Foundations of Education	2
Educ 432	Critical Issues	2
Select One:		
Educ 412	Indivi Curr Development (2)	OR
Educ 420	Intro to Counseling (3)	OR
Psy 412	Meas & Eval (2)	2-3
Educ 462	Stu Tchng in Sec School	8
		17-18

(Prerequisites)

[Department Recommendations] -not necessarily in this order

Program must satisfy Writing Intensive requirements. (See page 44.)

For additional information contact:

Mr. Mike Lawson

Office: Reynolds Hall 313A

Phone: 625-9730

Course Descriptions

Bio 101 (F, S) 4 hrs. cr.

General Biology

General treatment of unifying principles of living organisms including cell structure and function, metabolism, genetics, evolution and ecology. Emphasis on these biological principles as they relate to humans. Three lectures, one 2-hr. lab per week. Fulfills Core Curriculum requirement in Area 3, section A for most majors.

Bio 112 (F, S) 3 hrs. cr.

Botanical Survey

Morphology, physiology and classification of plants are studied with emphasis on diversity of plants. Two lectures, one 2-hr. lab per week. Prerequisite: Bio 101.

Bio 121 (F, S) 4 hrs. cr.

General Zoology

Introduction to the basic principles of human cytology, histology, metabolism and genetics. Emphasis on anatomy and physiology of humans in preparation for Bio 306. Three lectures, one 2-hr. lab per week. Not for Biology majors. Fulfills Core Curriculum requirement for physical education and certain health related technology majors.

Bio 122 (F, S) 3 hrs. cr.

Zoological Survey

Morphology, physiology and classification of animals with emphasis on the diversity of animals. Two lectures, one 2-hr. lab per week. Prerequisite: Bio 101 or 121.

Bio 201 (S) 4 hrs. cr.

Human Anatomy

A general treatment of human anatomy from the tissue through the organ system levels of organization. The lecture provides the conceptual and organizational framework for laboratory, which utilizes microscopy, dissection, anatomical models, and anatomical software. Three hours of lectures, one 3 hr. lab per week. Credit toward the biology major granted for one anatomy course: Bio 201 or 306. Prerequisite: Bio 101.

Bio 210 (F, S) 4 hrs. cr.

Molecular and Cellular Biology

(Writing Intensive)

Physiological characteristics and function at the cellular and molecular levels of both plant and animal cells. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 112, 122, Chem 102.

Bio 231 (F, S) 5 hrs. cr.

General and Medical Microbiology

Structure and function of microorganisms. Topics include general principles of microbiology, immunology and identification of microorganisms. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 101 or 121.

Bio 240 (S) 3 hrs. cr.

Radiation Biology

Survey of various types of radiation affecting humans, the uses of radiation and methods for monitoring radiation levels. Emphasis on the physiological damage that occurs to tissues following ionizing radiation. Three lectures per week. Prerequisites: Five hrs. of chemistry or acceptance into the School of Radiologic Technology.

Bio 261 (Demand) 3 hrs. cr.

Animal Nutrition

Fundamental principles of animal nutrition with special emphasis given to applied nutrition and life-cycle feeding of domestic animals. Three lectures per week. Prerequisite: Bio 210.

Bio 271 (Demand) 3 hrs. cr.

Principles of Plant Propagation

Principles of plant propagation, emphasizing three specific areas: the physiology of plant growth and the anatomy of plants as topics related to propagation; propagation methods; and technical skills such as budding, grafting and making cuttings. Two lectures, one 2-hr. lab per week. (Does not count toward a biology major.)

Bio 290 (Demand) 2 hrs. cr.

Research Methods in Biology

Development of investigational and technical skills required in environmental health, biology and related fields. Familiarizes students with research design and statistical analysis. Two hours of lecture per week. Recommended for students who wish to enroll in Bio 499 Problems in Biology. Prerequisite: Bio 101 and Math 140.

Bio 298 (Demand) 1-8 hrs. cr.

Selected Topics in Biology

Specific topic or topics not normally included in another course. Prerequisites: Bio 101.

Bio 301 (F) 4 hrs. cr.

Human Physiology

A general treatment of normal human physiology which emphasizes physiological control and homeostasis at the organ system level of organization. Lecture focuses on physiological processes and concepts; the lab emphasizes the measurement of physiological variables. Three hours of lecture and one 3 hr. lab per week. Credit toward the biology major granted for one physiology course: Bio 301, 306 or 431. Prerequisite: Bio 201.

Bio 303 (Demand) 2 hrs. cr.

Computer Applications in Biology

Explores ways in which microcomputers are used to better understand and study biological phenomena. Satisfies the computer literacy requirement for biology and environmental health majors. One lecture, 3-hrs. of lab per week. Prerequisites: Bio 101.

Bio 305 (F, S)	4 hrs. Cr.	Bio 332 (F, Even)	4 hrs. cr.	Bio 380 (S, Odd)	3 hrs. cr.
Genetics Introduction to principles of heredity, gene structure, expression and regulation. Emphasis on cytological and molecular approaches to nucleic acid replication, transcription, translation and other genetic mechanisms. Lab exercises illustrate genetic principles and techniques used in modern genetic research. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101.	(Writing Intensive)	Introduction to Entomology Collecting methods, taxonomy, life history, morphology and evolution of insects. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.		Epidemiology Introduction to the concepts, principles and methods useful in the surveillance and investigation of communicable disease. Prerequisites: Bio 290. (Double listed in Environmental Health Technology.)	
Bio 306 (F, S)	5 hrs. cr.	Bio 350 (Demand)	2 hrs. cr.	Bio 402 (S)	4 hrs. cr.
Human Physiology and Anatomy Structure and function of the human body with emphasis on physiological processes and their anatomical basis. Three lectures, two 2-hr. labs per week. Credit toward the biology major granted for one physiology course: Bio 301, 306 or 431. Prerequisite: Bio. 121 or permission.		Techniques in Microbiology Training in molecular techniques in microbiology through analysis of bacterial antibiotic resistance patterns and their medical ramifications. Includes the origin, incidence, effects, and prevention of antibiotic resistance. Techniques include screening and harvesting plasmid DNA and transference of plasmid DNA. Prerequisite: Bio 231.		General Ecology Study of plant and animal communities and their interaction within the environment. Emphasis on flora and fauna of Southwest Missouri and soils, climate and other major environmental factors responsible for the distribution and association of plants and animals. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 112 and 122 or permission.	(Writing Intensive)
Bio 308 (Demand)	4 hrs. cr.	Bio 352 (Demand)	2 hrs. cr.	Bio 422 (Demand)	5 hrs. cr.
Pathophysiology Altered physiological states, the cellular manifestations and causes of disease and adaptation to the alterations. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 301 or 306.		Biomes In-depth study of a selected ecosystem. The interactions between plants and animals with their abiotic environment is studied in the classroom and during an extended field trip usually lasting one week or more. The habitat chosen for study varies from year to year and some trips require physical conditioning or specialized training. Living conditions range from primitive to reasonably comfortable dormitories. Students are required to bear the cost of the trip. Prerequisites: Bio 112, 122 and permission.		Invertebrate Zoology Classification, morphology, physiology, development and evolution of invertebrate animals. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 122.	
Bio 312 (F)	4 hrs. cr.	Bio 361 (F, Even)	4 hrs. cr.	Bio 431 (Demand)	4 hrs. cr.
Environmental Biology Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 112 and 122 or permission. (Double listed in Environmental Health Technology.)	(Writing Intensive)	Parasitology Systematic investigation of the numerous parasites found in vertebrates. Emphasis on life cycles of parasites which infect humans and domestic animals. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.		Animal Physiology Comparative approach to the physiology of animals with emphasis on laboratory studies of both mammalian and non-mammalian vertebrates. Three lectures and one 3-hr. lab per week. Credit toward the biology major granted for one of the following: Bio 301, 306 or 431. Prerequisite: Bio 331.	
Bio 316 (F)	3 hrs. cr.	Bio 362 (F, Odd)	4 hrs. cr.	Bio 433 (S, Even)	4 hrs. cr.
Economic Botany Economic uses of plants and present and possible future value of lower plants. Emphasis on economic aspects of higher plants from an agricultural, horticultural and crop selection viewpoint as well as from a view of pharmacological usage, etc. Three lectures a week. Prerequisite: Bio 101.		Virology Structure, classification and life cycles of bacterial, animal and plant viruses, their significance in disease (including cancer) and the use of viruses in modern biological research. The laboratory will stress the cultivation of viruses in bacterial and other cells. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 231 and 305.		Histology Detailed study of microscopic structure of animal tissues and organs with special emphasis on mammalian tissue. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.	
Bio 322 (S)	4 hrs. cr.	Bio 370 (Demand)	3 hrs. cr.	Bio 440 (F, Odd)	4 hrs. cr.
Taxonomy of Flowering Plants Relationships among selected plant groups with emphasis on classification and descriptions of taxa, nomenclature and concepts concerning the evolutionary sequence of various plant characters. Southwestern Missouri flora emphasized. Two lectures, two 2-hr. labs per week. Prerequisite: Bio 112.		Environmental Health Contemporary environmental health problems and public protection measures, including public health disease prevention and environmental health hazards. Three lectures per week. Prerequisite: Bio 231. (Double listed in Environmental Health Technology.)		Plant Pathology Historical significance of plant pathology, the physiological response of plants to abiotic factors, the anatomical and physiological aspects of plant susceptibility to disease and examples of management systems. Includes major diseases caused by bacteria, fungi and viruses. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 112.	
Bio 331 (F)	5 hrs. cr.	Bio 371 (S, Odd)	4 hrs. cr.	Bio 442 (S, Even)	5 hrs. cr.
Comparative Vertebrate Anatomy Fundamental course designed to enhance understanding and appreciation of the structure and adaptations of vertebrates. Emphasis on evolution and the relationship between structure and function. Two lectures, two 3-hr. labs per week. Prerequisite: Bio 122.		Plant Physiology Introduction to plant physiology emphasizing a review of the cell, plant biochemistry, regulation of plant development and factors producing physiological stress in plants. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 112 and 210.		Pathogenic Bacteriology A basic study of the structure, identification and pathology of the infectious bacteria. Three hours of lecture and two 2-hr. labs per week. Prerequisite: Bio 231.	
				Bio 450 (F, S)	1-8 hrs. cr.
				Internship in Biology In conference with a departmental board a half semester in advance, the student shall elect to work and observe in any area of applied biology in which on-the-job experience would be beneficial to the student's training. Prerequisites: At least a second semester junior standing in biology with a minimum of 20 biology hrs. and 20 senior hrs. or permission.	

64 / Biology, Chemistry

Bio 456 (S, Even)

4 hrs. cr.

Immunology

Cellular and molecular basis of the immune response in vertebrates including structure, induction and regulation of the immune response. Autoimmune disorders, vaccines, transplantation and diagnostic immunology will also be presented. The laboratory will stress the induction and manipulation of the immune response. Three lectures and one 3-hr. lab per week. Prerequisites: 231 and 305.

Bio 462 (S, Odd)

5 hrs. cr.

Embryology

Detailed comparisons of developmental process of members of the classes of vertebrates. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 331.

Bio 481 (S, Odd)

4 hrs. cr.

Aquatic Ecology

Analysis of components of freshwater systems, both impoundment and stream environments. Three hrs. lecture, one 2-hr. lab per week. Prerequisite: Bio 122.

Bio 490 (F, S)

1 hr. cr.

Seminar

Faculty supervised discussion group concerned with reviews and presentation of reports covering current topics in biology. Students will present reviews in their various areas of interest. One meeting per week. Prerequisites: Primarily for biology majors of junior standing or interested students with at least 15 hrs. of biological science. Bio 490 may be repeated for additional credit.

Bio 498 (Demand)

1-5 hrs. cr.

Seminar in Biology

For upper division majors only. Meets regularly a minimum number of hrs. Designed to give specialized instruction in some discipline of biology not covered in other courses. Prerequisites: Junior standing, 20 hrs. in biology and a minimum GPA of 2.5 in biology or permission.

Bio 499 (F, S)

1-3 hrs. cr.

Problems in Biology

Individual work under the supervision of a staff member, with the credit and hrs. to be arranged. Problems may be undertaken in any field of biology, with adequate preparation and the consent of the supervising instructor, department head and school dean. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of biology.

Chemistry

Reynolds Hall 210, 625-9376

Faculty Baiamonte - Head, Albright, Kash, Mosher, Summerfield, Whittle

Chemistry graduates will find an impressive array of options and exciting opportunities in fields such as basic research, environmental protection, instrumentation, new product and process development, technical marketing, market research, forensic chemistry, teaching at all levels and information science. Moreover, an education in chemistry is valuable in health sciences such as medicine, pharmacology, clinical chemistry and industrial hygiene. The first step into a future in chemistry is a formal education. Since chemistry is such a broad field and holds diverse career opportunities, students should plan their education with a goal in mind.

Bachelor of Arts with a Major in Chemistry

Semester Hours

Core Requirements (p. 43) 51* 43

Foreign Language (four courses in one language) 12

Chemistry Requirements 28

Chem 101 General Chemistry I** 5
Chem 102 General Chemistry II** 5
Chem 201 Analytical Chemistry I** 5
Chem 300 Intro to Modern Organic Chemistry (5 hrs.) and Upper Division Chemistry Electives (8 hrs.) excluding Chem 301 and Chem 302** 13

OR

Chem 301 Organic Chemistry I (5 hrs.), Chem 302 Organic Chemistry II (5 hrs.), Upper Division Chem Electives (3 hrs.) excluding Chem 300** 13

Supporting Requirements 17

Phys 151 Elementary College Physics I** 5

Phys 152 Elementary College Physics II** 4

Math 150 Calculus with Analytic Geom I** 5

Comp 110 Programming I OR

Higher level computer course 3

Electives 28

128***

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hours.

Note: A bachelor of arts degree in chemistry is for students who need some knowledge of chemistry as a basis for work in other fields but who do not expect to become professional chemists.

Bachelor of Science with a Major in Chemistry

Semester Hours

Core Requirements (p. 43) 51* 43

Chemistry Requirements 33

Chem 101 General Chemistry I** 5

Chem 102 General Chemistry II** 5

Chem 201 Analytical Chemistry I** 5

Chem 301 Organic Chemistry I** 5

Chem 302 Organic Chemistry II** 5

Chem 401 Physical Chemistry I** 4

Chem 402 Physical Chemistry II** 4

Supporting Requirements 23

Phys 160 General Physics I** 3

Phys 270 General Physics II** 5

Phys 280 General Physics III** 5

Math 150 Calculus with Analytic Geometry I** 5

Math 250 Calculus with Analytic Geometry II** 5

Comp 110 Programming I OR

Higher level computer course 3

Electives* 26**

128***

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Suggested Electives (Chem 421, Chem 422, Chem 472, Math 260, Math 322, Phys 372, Phys 341)

****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in Chemistry

Grades 9-12 Certification
Unified Science with a
Chemistry Endorsement

	Semester Hours
Core Requirements (p. 43) 51*	36
Chemistry Requirements	25
Chem 201 Analytical Chemistry I**	5
Chem 301 Organic Chemistry I**	5
Chem 302 Organic Chemistry II**	5
Chem 351 Biochemistry**	4
Chem 401 Physical Chemistry I**	4
Chem 496 Problems in Chemistry	2
Supporting Requirements	63
Phil 420 Philosophy of Science	3
Bio 110 General Biology	4
Bio 112 Botanical Survey**	4
Bio 122 Zoological Survey**	4
Chem 101 General Chemistry I**	5
Chem 102 General Chemistry II**	5
Phys 160 General Physics I**	3
Phys 270 General Physics II**	5
Phys 280 General Physics III**	5
Geol 110 Intro to Geology	5
Geol 180 Intro to Meteorology	3
Math 150 Calculus/Analytic Geometry I**	5
Math 250 Calculus/Analytic Geometry II**	5
Comp 110 Programming I	3
Select one:	
Bio 312 Environmental Biology	4
Bio 402 General Ecology	4
Bio 481 Aquatic Ecology	4
Geol 300 Environmental Geology	4
Education Certification Requirements (p. 149)	41-42
	165-166

*Required chemistry, physics, mathematics, psychology and biology courses satisfy major requirements and 15 hours of the Core Curriculum.

**See Prerequisites

Minor in Chemistry

	Semester Hours
Chem 101 General Chemistry I*	5
Chem 102 General Chemistry II*	5
Chem 201 Analytical Chemistry I*	5
Chem 300 or 301 (Organic Chemistry)*	5
	20

*See Prerequisites

Suggested Order of Study

Bachelor of Arts Major Code 1905 Chemistry Major

Freshman Year

1st Semester		Hours
Course		
Chem 101	Gen Chem I (Algebra & Trig)	5
Math 150	Calculus I	5
CORE	[Eng 101 Comp I]	3
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16

2nd Semester

Chem 102	Gen Chem II (Chem 101)	5
CORE	[Eng 102 Comp II]	3
CORE	[Hist 110 U.S. History]	3
Electives	(Sec area of concentration)	3
Comp 110	Programming I	3
		17

Sophomore Year

1st Semester		Hours
Chem 301	Org Chem I* (Chem 102)	
OR		
Chem 201	Analy Chem I (Chem 102)	5
Phys 151	Elem Col Phys I (Math 140)	5
CORE	[Kine 101 Physical Activity]	1
Electives	(Sec area of concentration)	5
		16

2nd Semester

Chem 302	Org Chem II* (Chem 301)	
OR		
Chem 300	Intro to Modern Organic Chemistry (Chem 102)	5
Phys 152	Elem Col Phys II (Phys 151)	4
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Electives	(Sec area of concentration)	5
		17

Junior Year

1st Semester		Hours
Chem 201	Analy Chem I (Chem 102)	
OR		
Chem	[Upper Division Elective]	4-5
Foreign Language		3
CORE	[Comm 100 Oral Comm]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Econ 180 Amer Econ Sys]	3
		16-17

2nd Semester

Chem	[Upper Division Elective]	4
Foreign Language		3
CORE	[Psy 100 or Soc 110]	3
CORE	[Bio 101 General Biology]	4
CORE	[Humanities and Fine Arts]	3
		17

Senior Year

1st Semester		Hours
CORE	[Humanities and Fine Arts]	3
Foreign Language		3
CORE	[International Cultural Stu]	3
Electives		6
		15

2nd Semester

Foreign Language		3
CORE	[Hist 120 or 320 U.S. Hist]	3
Electives		6-7
		12-13

Student may elect either Chem 300 plus 8 hours of upper division chemistry (excluding Chem 301 and Chem 302) or Chem 301 and Chem 302 plus 3 hours of upper division chemistry electives (excluding Chem 300).

(Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Vernon Baiamonte

Office: Reynolds Hall 213

Phone: 625-9541

Bachelor of Science

Major Code 1905

Chemistry Major

Freshman Year

1st Semester		Hours
Course		
Chem 101	Gen Chem I (Algebra & Trig)	5
Math 150	Calculus I	5
CORE	[Eng 101 Comp I]	3
Comp 110	Programming I	3
Psy 120	College Orientation	1
		17

2nd Semester

Chem 102	Gen Chem II (Chem 101)	5
Math 250	Calculus II (Math 150)	5
Phys 160	General Physics I (Math 140)	3
CORE	[Eng 102 Comp II]	3
CORE	[Kine 101 Physical Activity]	1
		17

Sophomore Year

1st Semester		Hours
Chem 301	Org Chemistry I (Chem 102)	5
Phys 270	General Physics II (Math 150 & Phys 160)	5
Elective	[Math 260 Calc III] (Math 250)	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
		18

2nd Semester

Chem 302	Org Chem (Chem 301)	5
Phys 280	Gen Physics III (Phys 270)	5
Elective	[Math 322 Differential Equations] (Math 260)	3
CORE	[Econ 180 Amer Econ Sys]	3
		16

Junior Year**1st Semester**

Chem 401	Phys Chem I (Math 250, Phys 260)	
OR		
Elective	[Chem 422 Adv Inorg Chem] 4 (Chem 102, Math 250)	
Chem 201	Analy Chem I (Chem 102)	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Hist 110 U.S. History]	3
		17

2nd Semester

Chem 402	Physical Chem II (Chem 401)	
OR		
Elective	[Chem 472 Organic Qualitative Analysis] (Chem 302)	4
Elective	[Chem 421 Analytical Chemistry II] (Chem 210)	5
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
		16

Senior Year**1st Semester**

Chem 401	Phys Chem I (Math 250, Phys 280)	
OR		
Elective	[Chem 422 Adv Inorganic Chem] (Chem 102, Math 250)	4
Elective	[Chem 497 Res in Chem]	1
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 120 or 320 U.S. Hist]	3
CORE	[International Cultural Stu]	3
		14

2nd Semester

Chem 402	Physical Chemistry II (Chem 401)	
OR		
Elective	[Chem 472 Org Qualitative Analysis] (Chem 302)	4
Elective	[Chem 497 Res in Chem]	2
Elective	[Phys 372 Electronic Circuits] (Phys 280)	4
CORE	[Humanities and Fine Arts]	3
CORE	[Psy 100 or Soc 110]	3
		16

(Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Vernon Baiamonte

Office: Reynolds Hall 213

Phone: 625-9541

Course Descriptions

Chem 100 (F, S) 5 hrs. cr.

Introductory Chemistry

Basic principles and practical applications of inorganic, organic and biochemistry which satisfies the needs of students in certain health-related programs. Four lectures, one 3-hr. lab per week. Prerequisite: Math 30 or satisfactory score on the Mathematics Placement Test.

Chem 101 (F, S, SS) 5 hrs. cr.

General Chemistry I

Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter and the quantitative aspect of these changes. Four lectures, one 3-hr. lab per week. Prerequisite or corequisite: Math 140 or higher level math course.

Chem 102 (F, S, SS) 5 hrs. cr.

General Chemistry II

Continuation of Chem 101. Emphasis on the dynamics and thermodynamics of chemical processes and on the properties and reactions of analogous groups of cations and anions. Four lectures, one lab per week. Prerequisites: Chem 101 with a minimum grade of "C" or permission of instructor and Math 140 or higher level math course.

Chem 190 (Demand) 1-2 hrs. cr.

Laboratory in Chemistry

A lower division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 201 (F) 5 hrs. cr.

Analytical Chemistry I

Standard first course in quantitative chemical analysis. The lecture and lab include the theory and practice of methods of analysis. While the primary emphasis in the first semester is on the interpretation of the experimental results, other aspects of the analytical process are introduced. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 102.

Chem 297 (F, S) 1-3 hrs. cr.

Introduction to Research in Chemistry*(Writing Intensive)*

Introduction to research techniques; laboratory work and literature search under the supervision of an instructor on a chemical research project. Involves laboratory experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 15 hours of chemistry, 2) freshman or sophomore standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 298 (F, S) 1-3 hrs. cr.

Selected Topics in Chemistry

Special topics in chemistry not normally included in other courses. Prerequisite: Chem 201 or permission of instructor.

Chem 300 (S) 5 hrs. cr.

Introduction to Modern Organic Chemistry*(Writing Intensive)*

Principles of organic chemistry—nomenclature, structure, properties, stereochemistry, reactions—will be studied by the functional group approach. Designed for students who require a general knowledge of organic chemistry in their chosen career or as background for other courses in technical or professional training programs. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 102.

Chem 301 (F) 5 hrs. cr.

Organic Chemistry I

Deals with both Aliphatic and aromatic compounds, their nomenclature, properties, reactions, stereochemistry. The functional group approach is used: hydrocarbons (saturated, unsaturated, aromatic) and their derivatives are studied. Brief introduction to organic spectroscopy included. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 102.

Chem 302 (S) 5 hrs. cr.

Organic Chemistry II*(Writing Intensive)*

Continuation of Chem 301. Organic-spectroscopy discussed in detail. The functional group approach is continued: Aryl halides, phenyls, aldehydes and ketones, carboxylic acids, amines and polyfunctional compounds are covered. A mechanistic treatment of substitution, elimination, addition and free radical reactions is employed. Organic spectroscopy emphasized in both lecture and lab. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 301.

Chem 320 (S) 2 hrs. cr.

Applications of Computers in Chemistry

Applications of microprocessors and modern microcomputers in chemistry: management of chemical information; chemical data collection, reduction and quantitation; use of remote information systems (via modem); analytical instrument interfacing; publication. Prerequisite: Chem 301 and Comp 110 or higher level computer science course.

Chem 351 (F) 4 hrs. cr.

Biochemistry*(Writing Intensive)*

Fundamental concepts of the chemistry of lipids, carbohydrates and proteins with emphasis on the physiological aspects of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics and reaction pathways. Three lectures, one 3-hr. lab per week. Prerequisite: Chem 300 or 302.

Chem 390 (Demand) 1-2 hrs. cr.

Laboratory in Chemistry

A upper division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 401 (F, Odd) 4 hrs. cr.

Physical Chemistry I

For the first section of the class, a microscopic approach to the understanding of chemical and physical properties of chemical systems is taken. The focus is on quantum theory and molecular spectroscopy. In the last part of the class, a macroscopic approach to the understanding of chemical and physical properties of chemical systems is used. Topics include the laws of thermodynamics and the relationships between the properties of chemical systems at equilibrium. Three lectures, one 3-hr. lab per week. Prerequisites: Math 250 and Phys 280.

Chem 402 (S, Odd) 4 hrs. cr.

Physical Chemistry II

Continuation of Chem 401. A microscopic approach (quantum theory) and the macroscopic approach (thermodynamics) to understanding chemical systems are linked using statistical mechanics. Chemical kinetics is also studied. Three lectures, one 3-hr. lab per week. Prerequisite: Chem 401.

Chem 421 (S, Odd) 5 hrs. cr.

Analytical Chemistry II

Continuation of Chemistry 201. A study of the overall analytical process. Lecture and lab deal mainly with electrochemical and spectrophotometric methods of analysis and their application in chemical analysis, but also include other physiochemical and separatory techniques used in modern analytical processes. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 201.

Chem 422 (S, Even) 4 hrs. cr.

Advanced Inorganic Chemistry

Contemporary state of the several bond models in chemistry, a review of the energetics of reactions and coordination theory, followed by the chemistry of the families of the elements in the periodic table. Three lectures, one 3-hr. lab per week. Prerequisites: Chem 102 and Math 250.

Chem 472 (S, Odd) 4 hrs. cr.

Organic Qualitative Analysis

Systematic identification of organic compounds and mixtures; organic spectroscopy is emphasized. Two lectures, two 3-hr. labs per week. Prerequisite: Chem 302.

Chem 496 (F, S) 2 hrs. cr.

Problems in Chemistry (Writing Intensive)

A practical research class especially designed for students seeking a bachelor of science in education with a major in chemistry. The class involves laboratory work and a literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as written report on a project from any area of chemistry. Open to students needing a problems course in chemistry to satisfy Missouri Certification Standards for Secondary Teachers in Chemistry. Students must have a minimum of 20 hours of chemistry and permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 497 (F, S) 1-3 hrs. cr.

Research in Chemistry

(Writing Intensive)

Independent research techniques; lab work and literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 20 hours of chemistry, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 498 (F, S) 1-3 hrs. cr.

Seminar

For upper division chemistry majors. Content varies, depending on the student's needs, from library research to special topics in chemistry. Prerequisite: Senior standing or permission of department head.

Chem 499 (F, S) 1-3 hrs. cr.

Independent Study

Independent investigation techniques; includes a paper on a selected topic with both a critical survey of the chemical literature and results from advanced lab experimentation. Open to students having (1) minimum of 25 hrs. of chemistry, (2) ability to undertake independent work and (3) permission of instructor. Enrollment must be approved by adviser, department head and school dean.

have found successful careers in the media, in government, in education and in a variety of public relations positions for hospitals, state and national associations, in retailing and in industry.

Students pursuing a bachelor of arts degree in communications have three options. Option I, speech communication, examines the role of human communication in social, organizational, political and cultural interactions. This option places a balanced focus on the theory and practice of communicating. Special emphasis includes identifying the antecedents of communication, its form and content and its consequences. Option II, mass communications, offers students the necessary abilities in planning, preparing and producing programs in electronic media and/or designing and writing for journalism. This option emphasizes the technical skills, creativity and demand for understanding target audiences in mass media. Students gain hands-on experience in television, radio and print laboratories. Option III, international communication, permits a student to develop a field of specialty in global aspects of the communication process. Also available is a bachelor of science degree in education with a teaching emphasis in speech communication and theatre.

Communications

Webster Hall 353, 625-9580

Faculty Massa - Head, Bryant, Burch, Clark, Cramer, Crawford, Hale, Hou, Karmanova, Merriam, Moorman, Sartori, Schweizer, Stebbins, Talavera, Weber, Yocum

A major in communications offers an array of career opportunities in such fields as public communication, television, radio and journalism. In the education process, emphasis is placed on speaking and writing skills as well as gaining technical knowledge related to mass media production and publication. A major in communications is one of the most diversified areas of study available to students who wish to excel in business, industry, government or education at the local, state, national and international levels. Missouri Southern graduates in communications

The communications department oversees the student operations of Missouri Southern Television with its cable service MSTV and its community station KGCS-LP, in addition to the available media training through PBS-affiliated KOZI in Joplin. The department also manages KXMS, a 24-hour-a-day classical radio station professionally operated with students and community volunteers. Perhaps the most widely recognized contribution of the communications department is *The Chart*, a student operated college newspaper published once a week. *The Chart* has been honored by the Society of Professional Journalists as the best non-daily college newspaper in the nation. Additionally, the department publishes *Crossroads: the Magazine*.

Students also have opportunities to participate in other communications-sponsored activities. The debate and forensics program offers students the chance to develop their critical thinking skills and to participate in events such as informative, persuasive and extemporaneous speaking competitions. Debate and forensics students may join the forensic honor society of Pi Kappa Delta. Communications majors interested in mass media may join Southern's chapter of the

68 / Communications

national broadcast fraternity of Alpha Epsilon Rho and participate in its state, regional and national conventions. The department also sponsors the Modern Communications Club which plans on-campus events and off-campus field trips for students interested in communications activities. The club expands the scope of communications to include foreign language speakers.

Internships are encouraged for communications majors. These internships allow students to gain work experience in occupational positions they may wish to pursue. Students work under the joint supervision of a faculty member and a representative of the organization providing the intern experience.

The communications curriculum acknowledges the diversity and inter-connectedness among peoples, promotes an understanding of human values and prepares its students for leadership in a competitive world.

Core Curriculum requirements for all students of the College include Comm 100, Oral Communication.

Bachelor of Arts with a Major in Communications Option I: Speech Communication

	Semester Hours
Core Requirements (p. 43)	51
Computer Literacy Requirement:	
Comp 105 Intro to Micro Use	3
Foreign Language (four courses in one language)	12
Communications Requirements	47
Comm 101 Introduction to Human Communication	3
Comm 131 Voice and Diction	3
Comm 215 Interpersonal Communication*	3
Comm 300 Organizational Communication*	3
Comm 303 Advanced Public Speaking*	3
Comm 304 Small Group Communication*	3
Comm 420 Mass Communications Theory*	3
Comm 492 Communication Issues*	3
Communication Electives	23
Electives	15
	128**

*See Prerequisites

**Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Arts with a Major in Communications Option II: Mass Communications

	Semester Hours
Core Requirements (p. 43)	51
Computer Literacy Requirement:	
Comp 105 Intro to Micro Use	3
Foreign Language (four courses in one language)	12
Communications Requirements	47
Comm 101 Intro to Human Communication	3
Comm 111 Newswriting	3
Comm 215 Interpersonal Communication*	3
Comm 220 Practicum in Communications*	2
(Student must select two different activities.)	
Comm 310 Communication Law	3
Comm 325 Broadcast News Reporting*	3
Comm 330 Advanced Communications Practicum*	1
Comm 420 Mass Communications Theory*	3
Comm 492 Communication Issues*	3
Communication Electives	23
Electives	15
	128**

*See Prerequisites

**Must include at least 40 upper division (300-400 level) hours. Course numbered 300 and above in history, political science, sociology, business and psychology are recommended.

Bachelor of Arts with a Major in Communications Option III: International Communication

	Semester Hours
Core Requirements (p. 43)	51
Foreign Language (four courses in one language)	12
Communications Requirements	21
Comm 101 Intro to Human Communication	3
Comm 215 Interpersonal Communication*	3
Comm 305 Intercultural Communication*	3
Comm 405 Advanced Intercultural Communication*	3
Comm 420 Mass Communications Theory*	3
Comm 492 Communication Issues*	3
Comm 475 Global Broadcasting*	

OR	
Comm 493 International Communication	3
International Studies Requirements	18
IntS 201 Introduction to International Studies	3
IntS 301 World Humanities*	3
IntS 302 World Environmental Issues*	3
IntS 303 Contemporary World Civilizations*	3
IntS 304 Comparative Political Economy*	3
IntS 305 International Techno-Trends*/**	3
Electives in communications/approved international courses	8
Electives	18
	128***

*See Prerequisites

**Meets computer literacy requirement.

***Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Science in Education with a Major in Speech Communication and Theatre

Grades 9-12 Certification
Plan B Single Teaching Field

	Semester Hours
Core Requirements (p. 43) 51*	48
Computer Literacy Requirement:	
Educ 301 Use of Computer Software in the Classroom	3
Communications Requirements	20
Comm 101 Intro to Human Communication	3
Comm 215 Interpersonal Communication**	3
Comm 304 Small Group Communication**	3
Comm 315 Argumentation and Debate**	3
Electives in Communications***	8
Theatre Requirements	20
Th 121, 122, 221, or 222—	
Theatre Laboratory	2
Th 142 Theatre Technology	3
Th 212 Oral Interpretation	3
Th 234 Intro Theatrical Design	3
Th 241 Acting I	3
Th 331 History of Theatre (WI)	
OR	
Th 332 History of Theatre	3
Th 351 Directing**	3
Electives	3

Education Certification Requirements

(p. 149) 40-41****

38-39

132-133

*Required course in psychology counts 3 hours toward Core Curriculum requirements, Area 3C.

**See Prerequisites

***Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre.

****Two credit hours are satisfied by Educ 301.

Minor in Mass Communications

	Semester	Hours
Comm 111 Newswriting	3	
Comm 310 Communication Law	3	
Comm 325 Broadcast News Reporting	3	
Communications electives*	9	
		18

*Electives must be above the 100 level and must be chosen in consultation with an adviser from the communications department. A student may emphasize either the print or broadcast media.

Minor in Speech Communication

	Semester	Hours
Comm 100 Oral Communication*	3	
Comm 215 Interpersonal Communication	3	
Comm 304 Small Group Communication	3	
Comm 306 Persuasion	3	
Comm 307 Professional Interviewing	3	
Comm 401 Nonverbal Communication	3	
		18

This minor is designed especially for those individuals who will be entering business, industry, education or any field calling for "superior communication skills."

*Meets Core Curriculum requirement.

Suggested Order of Study**Bachelor of Arts**

Major Code 0600

**Communications Major
Speech Comm Option****Freshman Year**

1st Semester	Course	Hours
	Foreign Language	3
	CORE [Eng 101 Comp I]	3
	CORE [Comm 100 Oral Comm]	3
	CORE [Math 110 Intro to Col Math]	3
	Psy 120 College Orientation	1
	Comm 101 Intro to Human Comm	3
		16

2nd Semester

	Foreign Language	3
	CORE [Eng 102 Comp II]	3
	CORE [Kine 103 Lifetime Wellness]	2
	CORE [Econ 180 Amer Econ Sys]	3
	Comm 131 Voice and Diction	3
	Comm Elective	3
		17

Sophomore Year

1st Semester	Course	Hours
	Foreign Language	3
	CORE [Kine 101 Physical Activity]	1
	CORE [Humanities and Fine Arts]	3
	Comm 215 Interpersonal Comm	3
	Comm Elective	3
		16

2nd Semester

	Foreign Language	3
	CORE [Humanities and Fine Arts]	3
	CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
	Comm Elective	3
	Electives	6
		18

Junior Year

1st Semester	Course	Hours
	Comp 105 Intro to Micro Use	3
	CORE [Humanities and Fine Arts]	3
	CORE [Biology]	4
	Comm 300 Organizational Comm	3
	Comm 304 Small Group Comm	3
		16

2nd Semester

	CORE [Phys 100 Fund of Phys Sci]	5
	CORE [Psy 100 or Soc 110]	3
	CORE [Hist 110 U.S. History]	3
	Comm 303 Adv Public Speaking	3
	Comm Elective (upper division)	3
		17

Senior Year

1st Semester	Course	Hours
	CORE [Hist 320 U.S. History]	3
	Comm Electives (upper division)	9
	Elective (upper division)	3
		15

2nd Semester

	Comm 420 Mass Comm Theory	3
	CORE [Comm 305 Intercol Comm]	3
	Comm Electives (upper division)	6
	Comm 492 Comm Issues	3
		15

Electives should be selected in consultation with the adviser to meet desired career goals.

[Department Recommendations]

Bachelor of Arts

Major Code 0601

**Communications Major
Mass Communications Option
Broadcast Emphasis****Freshman Year**

1st Semester	Course	Hours
	Foreign Language	3
	CORE [Eng 101 Comp I]	3
	CORE [Comm 100 Oral Comm]	3
	Comm 101 Intro to Human Comm	3
	Comm 111 Newswriting	3
	Psy 120 College Orientation	1
		16

2nd Semester

	Foreign Language	3
	CORE [Eng 102 Comp II]	3
	CORE [Kine 103 Lifetime Wellness]	2
	CORE [Econ 180 Amer Econ Sys]	3
	Comm 130 Intro to Broadcasting	3
	Comm 131 Voice and Diction	3
		17

Sophomore Year

1st Semester	Course	Hours
	Foreign Language	3
	CORE [Kine 101 Physical Activity]	1
	CORE [Humanities and Fine Arts]	3
	Comm 215 Interpersonal Comm	3
	Comm 200 Radio Production	
	OR	
	Comm 201 TV Production	3
	Comm 220 Practicum In Comm	1
	Electives	3
		17

2nd Semester

	Foreign Language	3
	CORE [Humanities and Fine Arts]	3
	Comm 200 Radio Production	
	OR	
	Comm 201 TV Production	3
	Comm 220 Practicum in Comm	1
	CORE [Math 110 Intro to Col Math]	3
	Electives	3-5
		16-18

70 / Communications

Junior Year

1st Semester		
Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Biology]	4
Comm 320	Advanced TV Production	3
Comm 325	Broadcast News Reporting	3
		16

2nd Semester

CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Psy 100 or Soc 110]	3
Comm 301	Broadcast & Cable Mgmt	3
Comm 310	Comm Law	3
Comm 402	Broadcast Programming	3
		17

Senior Year

1st Semester		
CORE	[Hist 110 U.S. History]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Comm 330	Adv Comm Practicum	1
CORE	[Comm 305 Intercul Comm]	3
Comm	Elective (upper division)	3
Elective	(upper division)	3
		16

2nd Semester

CORE	[Hist 320 U.S. History]	3
Comm 420	Mass Comm Theory	3
Comm 492	Comm Issues	3
Electives	(upper division)	5
		14

Electives should be chosen in consultation with the adviser to meet desired career goals. Courses in history, business, political science, sociology, psychology, art and theatre all may be appropriate.

[Department Recommendations]

Bachelor of Arts

Major Code 0601

Communications Major

Mass Communications Option

Newspaper Emphasis

Freshman Year

1st Semester		
Course		Hours
Foreign Language		3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
Comm 101	Intro to Human Comm	3
Comm 111	News Writing	3
Psy 120	College Orientation	1
		16

2nd Semester

Foreign Language		3
CORE	[Eng 102 Comp II]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Kine 101 Physical Activity]	1
Comm 220	Practicum in Comm	1
Elective		3
		14

Sophomore Year

1st Semester		
Foreign Language		3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Econ 180 Amer Econ Sys]	3
Comm 215	Interpersonal Comm	3
Comm 220	Practicum in Comm	1
Comm	Elective [Comm 332 Feature Writing]	3
		15

2nd Semester

Foreign Language		3
CORE	[Humanities and Fine Arts]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Elective	[Comm 333 Copy Editing]	3
		15

Junior Year

1st Semester		
Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Biology]	4
Comm 325	Broadcast News Reporting	3
Comm 330	Adv Comm Practicum	1
		14

2nd Semester

CORE	[Humanities and Fine Arts]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Hist 110 U.S. History]	3
Comm 310	Comm Law	3
Comm	Elective (upper division)	3
		17

Summer

[Comm 345]	[Internship]	8
		8

Senior Year

1st Semester		
CORE	[Hist 320 U.S. History]	3
Comm	Electives [upper division]	6
Electives	[upper division]	4
		13

2nd Semester

Comm 420	Mass Comm Theory	3
CORE	[Comm 305 Intercul Comm]	3
Comm 492	Comm Issues	3
Electives	(upper division)	4
		13

Electives in communications should be chosen in consultation with the adviser to meet desired career goals. Other electives should be chosen in an area of minor concentration or in a supportive role to career goals. Courses in history, business, political science, sociology and psychology are strongly recommended.

[Department Recommendations]

Bachelor of Arts

Major Code 0602

Communications Major

International Studies Option

Freshman Year

1st Semester		
Course		Hours
CORE	[Eng 101 Comp I]	3
CORE	[Math 110 Col Math]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Foreign Language		3
Comm 101	Intro to Human Comm	3
Psy 120	College Orientation	1
		17

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Art/Mus/Th 110 Appreciation]	3
CORE	[Kine 160 Lifetime Wellness]	2
Foreign Language		3
Elective	[Hist 140 World Civil]	3
		17

Sophomore Year

1st Semester		
CORE	[Hist 110 U.S. History]	3
CORE	Phys 100 Fund of Phys Sci]	5
Foreign Language		3
IntS 201	Intro to Int'l Studies	3
Comm 215	Interpersonal Comm	3
		17

2nd Semester

CORE	[Bio 101 General Biology]	4
Foreign Language		3
IntS 304	Comp Political Economy	3
CORE	[Eng 261 Mstrpcs of Wld Lit]	3
CORE	[Econ 201 Prin of Econ]	3
		16

Junior Year

1st Semester		
CORE	[Hist 120/320 U.S. History]	3
Foreign Language		3
IntS 301	World Humanities	3
CORE	[Eng 262 Mstrpcs of Wld Lit]	3
Comm 305	Intercultural Comm	3
IntS 303	Contemporary World Civ	3
		18

2nd Semester

CORE	[Psy 100/Soc 110]	3
Foreign Language		3
IntS 302	World Environmental Issues	3
Comm 475	Global Broadcasting	3
OR		
Comm 493	International Comm	3
Electives		3
		15

Senior Year

1st Semester

IntS 305	International Techno-Trends	3
Comm 405	Adv Intercultural Comm	3
Comm 420	Mass Comm Theory	3
Comm 492	Communication Issues	3
Electives		3
		15

2nd Semester

IntS 400	Sr Thesis in Int'l Studies	3
Electives		10
		13

[Department Recommendations]

Bachelor of Science in Education

Major Code 0844

Speech-Theatre Major

Grades 7-12 Certification

(Plan B) Single Teaching Field

Freshman Year

1st Semester

Course		Hours
Comm 101	Intro to Human Comm	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Biology]	4
Psy 120	College Orientation	1
Educ 100	Orientation to Education	1
		18

2nd Semester

Psy 100	General Psychology	3
Th 122	Theatre Lab	2
Th 142	Theatre Technology	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
		17

Sophomore Year

1st Semester

Take C-Base test.

Comm	Elective	3
Comm 215	Interpersonal Comm	3
Psy 301	Adolescent Psychology	3
Th 241	Acting I	3
CORE	[Humanities and Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness]	2
Educ 200	Orientation to Education II	1
		18

2nd Semester

Apply for admission to teacher education.

Psy 310	Educational Psychology	2
Educ 302	The Exceptional Child	2
Th 212	Oral Interpretation	3
Th 234	Intro to Theatrical Design	3
CORE	[Humanities and Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
Educ 301	Use of Computer Software in the Classroom	3
		17

Junior Year

1st Semester

Pass media competencies.

Educ 329	Ped Theo, Meth & Prac	4
Educ 321	Microteaching Secondary	2
Comm 304	Small Group Comm	3
Comm 315	Argumentation and Debate	3
Th 331	History of the Theatre	3
Educ 423	Classroom Management	2
		17

2nd Semester

CORE	[Comm 305 Intercul Comm]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 422	Reading in Sec Schools	2
		16

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for Professional Semester courses.

Th 351	Directing I	3
CORE	[Hist 320 U.S. History]	3
Educ 412 or	Educ 420* or Psy 412	2-3
Electives		6
		14-15

2nd Semester

Educ 402	Foundations of Education	2
Educ 432	Critical Issues in Education	2
Educ 344	Teaching Speech & Theatre in Sec. Schools	2
Educ 422	Teaching Reading in Secondary Schools	2
Educ 462	Student Teaching	8
		16

[Department Recommendations]

*Must be taken prior to the student teaching semester.

For additional information contact:

Mr. Richard W. Massa

Office: Webster Hall 362

Phone: 625-9372

Course Descriptions

Comm 100 (F, S) 3 hrs. cr.

Oral Communication

Principles of oral communication, including speaking and listening competencies and skills. Primary emphasis is on presenting various types of speeches and improving listening ability. Research, organization, reasoning, language and evaluation skill development are included. Three contact hrs. per week. (Required of all degree candidates.)

Comm 101 (F, S) 3 hrs. cr.

Introduction to Human Communication

An introductory survey of the field of communication, exploring theoretical and research foundations. Included are discussions of language and verbal interaction and nonverbal communication. Contexts of communication are covered: interpersonal, group and organizational, public, intercultural and mass. Also covered will be career opportunities for the student who chooses a major or minor in communication.

Comm 111 (F, S) 3 hrs. cr.

News Writing

Development of techniques in reporting and writing for a newspaper. Work on the College newspaper, *The Chart*, is required.

Comm 121 (F, S) (Per Sem.) 1 hr. cr.

Forensics Workshop

A practicum in forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit.

Comm 130 (S) 3 hrs. cr.

Introduction to Broadcasting

The role of the electronic media in our society and an introduction to the varied aspects and functions of the broadcasting professions. Laboratory experience in radio and television.

Comm 131 (F, S) 3 hrs. cr.

Voice and Diction

Techniques for improving the speaking voice. Attention to voice production, phonetics, pronunciation and vocal expressiveness.

Comm 150 (Demand) 3 hrs. cr.

Introduction to Desktop Publishing

Desktop publishing is a significant technology in the working environment for the journalist or public relations practitioner. Designed for the student with little or no familiarity with computers. A lecture/hands-on laboratory course intended to equip the student with basic skills in desktop publishing. Enrollment is limited to communications majors. Does not meet computer literacy requirements.

Comm 200 (F, S) 3 hrs. cr.

Audio Production for Media

Principles and techniques of sound pickup and audio control. Basic techniques of microphone use, control board operation and recording. Projects are taped for analysis and critique. Two hours of lecture, two hours of laboratory per week. Prerequisite: Comm 131.

Comm 201 (F, S) 3 hrs. cr.

Television Production

Intensive practice in preparation and production of television programs. Camera techniques, floor setups and direction of crews and talent. Interviewing techniques. Development of varied on-the-air skills. Two hrs. lectures, 2 hrs. lab per week.

72 / Communications

- Comm 205 (S, Even) 3 hrs. cr.
Listening
 A study of the role listening plays in our daily lives. Emphasis on the listening process, types of listening skills, response strategies and what our listening behaviors communicate to others. Intensive practice for those who recognize the importance of genuine listening and wish to acquire proficient listening abilities.
- Comm 215 (F, S) 3 hrs. cr.
Interpersonal Communication
(Writing Intensive)
 Person-to-person communication with emphasis on dyadic and group communication. Lecture, reading and discussion with class experiments designed to illustrate interpersonal communication problems. Prerequisite: Comm 100.
- Comm 220 (F, S) (Per Sem.) 1 hr. cr.
Practicum in Communications
 Laboratory experience on the staff of the College newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of 5 hrs. per week is required. One hr. of credit each term for a maximum of three terms. Prerequisite: for *The Chart or Crossroads*, Comm 111; for KXMS, Comm 200; for TV, Comm 201.
- Comm 298 (Demand) 1-8 hrs. cr.
Selected Topics in Communications
 Topics not normally included in another course. Prerequisites are determined by the department and stipulated in syllabus.
- Comm 300 (F) 3 hrs. cr.
Organizational Communication
 The interface between communication theory and organizational structure. Emphasis upon communication problems in organizations, strategies for overcoming such problems and the design of effective communication systems in organizational settings. Prerequisites: Comm 101 and 215.
- Comm 301 (S, Even) 3 hrs. cr.
Broadcast and Cable Management
 Broadcast station administration, market analysis, policy determination, station organization, sales, programming, network relationships, community involvement and FCC responsibilities. Prerequisite: Comm 200 and 201 or consent of instructor.
- Comm 302 (Demand) 3 hrs. cr.
Photocommunications
 Theory and practice of communication through the medium of photography. Students work on the photography staffs of college publications and deal with the application of photography to the mass media. Prerequisite: Comm 111 and a knowledge of photographic techniques, including developing and printing.
- Comm 303 (S) 3 hrs. cr.
Advanced Public Speaking
 Performance-based experiences to promote proficiency in the presentation and criticism of oratory. Emphasis on refining the art of informative and argumentative speechmaking. Prerequisite: Comm 100.
- Comm 304 (F) 3 hrs. cr.
Small Group Communication *(Writing Intensive)*
 Small group context of interpersonal communication emphasizing group behavior and human relations. Specific units include group problem solving, decision making and leadership style. Prerequisite: Comm 100.
- Comm 305 (F, S) 3 hrs. cr.
Intercultural Communication *(Writing Intensive)*
 Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: Comm 100. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)
- Comm 306 (S) 3 hrs. cr.
Persuasion
 A theoretical examination of the principles of influencing individuals and groups, a history of rhetoric and modern application of these principles to various areas of social interaction. Prerequisite: Comm 100.
- Comm 307 (F) 3 hrs. cr.
Professional Interviewing
 Designed to prepare students for professional fields which require information-seeking and -gathering, decision-making, interaction skills and self-expression. The student will participate in a variety of simulated and actual interviewing situations as both an interviewer and interviewed. Prerequisite: Comm 100.
- Comm 308 (S, Odd) 3 hrs. cr.
Gender Communication
 The pragmatics of gender-related communication refers to the study of the embedded contexts of male-female symbolic interaction. This introduction to the field of gender communication will look at interpersonal, organizational and cultural contexts. Prerequisite: Comm 100.
- Comm 309 (Demand) 3 hrs. cr.
World Cinema
 This course will cover the most important facets of cultural literacy in cinematography, one of the essential aspects of modern culture in our century. The course also includes a very strong writing component.
- Comm 310 (S) 3 hrs. cr.
Communication Law
 Statutes, administrative regulations and court decisions affecting freedom of information, censorship, libel, privacy, contempt of court, obscenity, legal access, copyright, advertising and broadcasting. Rights, privileges and obligations of the press.
- Comm 311 (S) 3 hrs. cr.
Introduction to Public Relations
 Nature and scope of public relations and its relationship to interpersonal and interdisciplinary conduct. Basic elements of public relations including planning, special events, speeches, news releases, annual reports, financial reporting, visual and electronic media techniques.
- Comm 315 (F, Even) 3 hrs. cr.
Argumentation and Debate
 The theory of the modern forms of evidence, evaluations, arguments, methods of refutation and ethical relationships of these methods in a free society. (Meets certification requirements for secondary education.) Prerequisite: Comm 100.
- Comm 320 (S) 3 hrs. cr.
Advanced Television Production
 Focuses on the elements of producing and directing television programs. Students spend most of the laboratory time actually producing programs for telecasting on cable, public television, or the College's own television station. One hr. lecture, 4 hrs. lab each week. Prerequisite: Comm 201.
- Comm 321 (F, S) (Per Sem.) 1 hr. cr.
Forensics Workshop
 Advanced practicum in the area of forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit. Prerequisite: Junior or senior standing and Comm 121.
- Comm 325 (F) 3 hrs. cr.
Broadcast News Reporting
(Writing Intensive)
 Experience in writing and reporting news for broadcast. Interview assignments, wire rewriting, actualities/voice production and newstape editing. Laboratory experience with campus broadcast media. Prerequisite: Comm 111.
- Comm 330 (F, S) 1 hr. cr.
Advanced Communications Practicum
 Intensive laboratory experience on the staff of the College newspaper, yearbook, broadcast media or on special communications projects. Students will work for a minimum of 5 hrs. per week in positions of major responsibilities. May be repeated for a maximum of 6 hrs. of credit. Prerequisites: Junior or senior standing; media courses to prepare student adequately for work expected; Comm 220 or permission.
- Comm 331 (F, S) 2 hrs. cr.
Advanced Newspaper Practicum
 Intensive lab experience with opportunities for major leadership position on the staff of the College newspaper. Students will participate fully in the publication of the newspaper working under the supervision of a faculty member. One class session plus a minimum of ten working hours per week are required. Attendance at a weekly newspaper staff meeting also is required. Two hours of credit each term for a maximum of two terms. Prerequisite: Comm 220 and 330.

- Comm 333 (S,Odd) 3 hrs. cr.
Copy Editing
 An examination of the newspaper copy editor's role and the editing process. Emphasis on spelling, grammar, the Associated Press Stylebook, editing for accuracy and fairness, coaching writers, writing headlines, and designing pages. Two hours laboratory experience on the College newspaper, *The Chart*, each week. Prerequisite: Comm 111.
- Comm 335 (F,Even) 3 hrs. cr.
Feature Writing
 Finding and writing newspaper features and magazine articles, including profiles, columns, reviews, investigative pieces, travel stories, and history articles. A focus on developing and selling story ideas. Work on the College newspaper, *The Chart*, is required. Prerequisite: Comm 111 or consent of instructor.
- Comm 340 (S, Odd) 3 hrs. cr.
Research in Communications
 An introduction to research methods in communications. Discussion of these methods as they apply to various communication contexts. This course offers an exploration of the nature of research, types of research methodologies and evaluation of research. Prerequisites: Junior or senior standing and Comm 101.
- Comm 345 (F, S, Summer) 1-8 hrs. cr.
Internship in Communications
 Off-campus work experience in areas related to professional goals of students. For advanced majors in communications. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. In all internships students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hrs. of credit. Prerequisites: Communications major with a minimum of 85 semester hrs.; approval of department head prior to enrolling. Some internships may have other specific prerequisites. Guidelines are available in the department's offices and must be followed.
- Comm 350 (Demand) 3 hrs. cr.
Sports Writing
 The fundamental principles of reporting and interpreting sports, improving writing and editing skills for game coverage and feature stories and further developing and refining those skills necessary for success in the field. Prerequisite: Comm 111.
- Comm 355 (S) 3 hrs. cr.
Case Studies in Public Relations
 Analysis of public relations practices, including planning, communication, evaluation; management responsibilities. Prerequisite: Comm 311.
- Comm 360 (S) 3 hrs. cr.
Visual Communication: Images With Messages
 This course is an examination of visual modes of communication. Topics will include the basic elements of visual messages, the relation of visual communication to language, and the place of images in everyday life. This course is a direct result of the new age in communications initiated and promoted by computer technology.
- Comm 400 (S, Even) 3 hrs. cr.
Advanced Organizational Communication
 The application of communication theory within the organizational structure is the thrust of the course. Particular attention is focused on analysis and diagnostic capabilities. Communication training and development within an organizational setting is emphasized. Prerequisite: Comm 300.
- Comm 401 (S) 3 hrs. cr.
Nonverbal Communication
 Study types and effects of various nonverbal communication behaviors and develop competencies and skills in applying the study to selected perspectives. Original research as well as published research will be emphasized. Prerequisite: Comm 100.
- Comm 402 (S, Odd) 3 hrs. cr.
Broadcast Programming
 An analysis of the programming principles and techniques used within the broadcast and cable professions. Practices of networks, affiliated stations, independent stations and superstations are compared and contrasted. Prerequisite: Comm 130.
- Comm 405 (F) 3 hrs. cr.
Advanced Intercultural Communication
 This advanced course is an in-depth analysis of variables which influence communication among peoples from different cultures. It will be an application of the intercultural theories and principles learned in the basic Intercultural Communication course. This in-depth analysis of seven cultures—Northern Ireland, American Indians, Germany, China, Japan, India, and the Amish subculture in North America—from a communication perspective will utilize the case study method. Prerequisite: Comm 305.
- Comm 411 (S, Odd) 3 hrs. cr.
Political and Social Communication
 Critical analysis of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs; includes lecture, reading and discussion. Prerequisite: Comm 100 and junior or senior standing.
- Comm 420 (F) 3 hrs. cr.
Mass Communications Theory
 Explores the various theories which have been applied to understanding the effects of the mass media. Students will learn the various paradigms which have been applied in attempting to predict media performance, reliability and impact. Prerequisite: Comm 100 plus 3 hrs. of communication courses.
- Comm 425 (S, Odd) 3 hrs. cr.
Broadcast Scriptwriting
 Methods, style and techniques for preparing scripts for various types of radio and television programs and announcements. Using the computer for typing scripts. Emphasis on promotion commercials, public service announcements, partially, scripted and fully-scripted program formats such as public affairs programs, variety shows, game shows, the documentary and drama. Prerequisites: Comm 111 and 200 or 201 or 325.
- Comm 430 (F,S) 3 hrs. cr.
Advanced Broadcast News Reporting
 Theory and practice of producing a regularly scheduled television newscast. Study, criticism and evaluation of broadcast journalism. Six laboratory hours plus one staff meeting per week. Course may be repeated for a maximum of six hours. Prerequisite: Comm 325.
- Comm 431 (F,S) 2 hrs. cr.
Electronic Field Production
 Planning, designing and executing electronic field productions. This laboratory course is designed to build aesthetic awareness and the technical skills necessary to conceive and develop an idea and communicate that idea to others. Four hours of laboratory weekly. Course may be repeated for a maximum of four hours. Prerequisite: Comm 201
- Comm 450 (S, Even) 3 hrs. cr.
Community Journalism
 Examining the nature and role of community journalism in an urbanized society is the thrust of the study. It relies heavily on the expertise of community journalism practitioners as resources of information and research. Experience with small daily and weekly newspapers will be the foundation for developing skills in community journalism. Prerequisite: Comm 111.
- Comm 455 (F) 3 hrs. cr.
Writing for Public Relations
 Study, analysis and practice in writing for public relations media or for public relations use by media. Includes writing news, publicity, and feature stories as well as effective letter writing, newsletters and brochures. Prerequisite: Comm 311.
- Comm 470 (F,Even) 3 hrs. cr.
New Media Technology
 Exploration of developed and developing technologies likely to shape the future of electronic media. New uses of older technologies. Historical development, regulation, and audience effects of these technologies. The student will become aware of critical controversies and projected future developments of technology. Prerequisite: Junior standing.
- Comm 475 (F,Odd) 3 hrs. cr.
Global Broadcasting
 Global analysis of domestic and external broadcasting services with emphasis on their political agendas, origins, technologies, and programming. Special attention placed on political, economic, and regulatory constraints. Prerequisite: 60 hours.
- Comm 492 (S) 3 hrs. cr.
Communication Issues
 Required of all communications majors. Synthesizes information obtained from previous coursework. Students are presented with current issues of concern from communications fields and are asked to present possible scenarios for their resolution. Prerequisite: Senior standing, plus 15 hrs. in communications.

Comm 493 (S, Even) 3 hrs. cr.
International Communication
 Comparative analysis of media systems throughout the world, international broadcasting, freedom of the press, media imperialism and the New World Information Order.

Comm 498 (Demand) 3 hrs. cr.
Special Topics in Speech Communication
 For upper-division students. Topics to be announced each time the course is offered.

Comm 498 (Demand) 1-3 hrs. cr.
Special Topics in Mass Communications
 For upper-division students. Topics to be announced each time the course is offered.

Comm 499 1-3 hrs. cr.
Independent Study in Speech Communication
 An independent course structured by the adviser with approval of the department head and school dean. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by adviser, department head and school dean prior to enrollment.

Comm 499 1-3 hrs. cr.
Independent Study in Mass Communications
 Individually directed study in selected areas for advanced majors in mass communications. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by the adviser, department head and school dean prior to enrollment.

English

Hearnes Hall 300, 625-9377

Faculty Spector - Head, Ackiss, Brown, Couch, Denniston, Dworkin, Greenlee, Harder, Kanan, Kumbier, Lambert, Marlowe, Morgan, Rodgers, Saltzman, Simpson, Walters

The department of English offers basic service courses in composition and literature for all students at the College. These courses emphasize writing and analytical skills and cultivate an appreciation of literature in all its variety. A major in English for the bachelor of arts degree has proved to be an excellent preparation for students who plan to enter business and industry, for students who plan to pursue graduate studies in English and for students who plan to enter professional schools such as law and medicine. Gradu-

ates of this program are in such widely diverse occupations as personnel relations, advertising, publishing, sales management, mass communications, and college teaching. Majors in English are expected to exhibit skills in writing, organization and creativity, and they are expected to develop a perception of and appreciation for the human values that grow out of the study of literature.

A major in English for the bachelor of science in education degree is designed for students who wish to prepare to teach English (Plan B) or English plus another field (Plan A) at the secondary level. With the need for excellence in secondary education so pressing, the English faculty work to develop in B.S.E. majors an informed enthusiasm for and dedication to teaching language, composition and literature so that they in turn will prepare their students well for college and for life. Students who wish to obtain certification to teach English/Language Arts in a middle school should consult the Teacher Education information in the catalog on page 152.

The English department offers an English minor with the choice of two emphases. The first, a minor in English with an Emphasis in Literature, is a traditional English minor that allows students to deepen their knowledge of literature and writing. The minor in English with a Writing Emphasis is designed to encourage students to develop their writing skills and to provide those students with a way to present their accomplishments to prospective employers and graduate schools. Students who wish to minor in English should arrange a coherent sequence of courses in consultation with the departmental adviser for minors. Students should choose courses on the basis of their backgrounds, their major programs and, above all, their interests.

The department also offers its majors and other students opportunities to use their talents and pursue their interests through such organizations as the English Club and Sigma Tau Delta Honor Society, through publications like *The Winged Lion*, and in projects like English Field Day.

Internships are encouraged for English majors. These internships allow the students practical experience using writing and research skills in a business environment.

Core Curriculum requirements in Humanities and Fine Arts can be met with the courses listed on page 44 under Area 2, section B and C. English 101 is a prerequisite to all courses except English 80 and 111. English 102 or 111 is a prerequisite to all 300-400 level English courses. The department urges all students to complete English 101 and 102 in their freshman year.

Bachelor of Arts with a Major in English

	Semester Hours
Core Requirements (p. 43) 51*	45
Foreign Language (four courses in one language)	12
English Requirements	42
Eng 301 Modern Grammar	
OR	
Eng 400 History of the English Language	3
One course from Eng 216, 310, 313 and 315	3
Eng 202 Writing and Research in English	3
English Electives**	33
Electives	29
	128***

*Two of the English courses listed under Area 2, sections B and C on page 41 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

**Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in English

Grades 9-12 Certification

Plan A One of Two Teaching Fields

	Semester Hours
Core Requirements (p. 43) 51*	42
English Requirements	33
Eng 301 Modern Grammar	3
Eng 319 Composition for Teachers	3
Eng 330 Literature for Adolescents	3
Eng 400 History of the English Language	3

Eng 216	Creative Writing	
OR		
Eng 202	Writing and Research in English	
OR		
Eng 310	Professional Writing	
OR		
Eng 313	Technical Writing	
OR		
Eng 315	Advanced Essay Writing	3
English Literature**		6
American Literature**		6
World Literature**		3
English Elective***		3

Education Certification Requirements (p. 149)

Second Teaching Field (some fields exceed 30 hours) 37

*Six hours of literature from Area 2, sections B and C plus the required Psychology 100 satisfy Core Curriculum requirements.

**A list of courses which fulfill these requirements is available in the English department.

***Must be beyond college composition.

Bachelor of Science in Education with a Major in English

Grades 9-12 Certification Plan B Single Teaching Field

	Semester Hours	
Core Requirements (p. 43) 51*	42	
English Requirements	42	
Eng 301	Modern Grammar	3
Eng 319	Composition for Teachers	3
Eng 330	Literature for Adolescents	3
Eng 400	History of the English Language	3
Eng 216	Creative Writing	
OR		
Eng 310	Professional Writing	
OR		
Eng 313	Technical Writing	
OR		
Eng 315	Advanced Essay Writing	3
English Literature**		6
American Literature**		6
World Literature**		3
English Electives***		12
Education Certification Requirements (p. 149)	37	
Electives	7	
	128	

*Six hours of literature from Area 2, Sections B and C plus the required Psychology 100 satisfy Core Curriculum requirements.

**A list of courses which fulfill these requirements is available in the English department.

***Must be beyond college composition.

Minor in English

(Literature Emphasis)	Semester	Hours
Eng 216	Creative Writing (3)	
OR		
Eng 310	Professional Writing (3)	
OR		
Eng 313	Technical Writing (3)	
OR		
Eng 315	Advanced Essay Writing (3)	3
Eng courses at the 300-400 level		9
Eng Electives (beyond college composition)		9
		21*

*Should be chosen in consultation with an adviser in the English department.

Minor in English

(Writing Emphasis)	Semester	Hours
A: Six hours of college composition		
Eng 101	College Comp I (3)	
AND		
Eng 102	College Comp II (3)	
OR		
Eng 111	Advanced College Comp (6)	6
B: Twelve hours from the following:		
Eng 216	Creative Writing (3)	
Eng 310	Professional Writing (3)	
Eng 313	Technical Writing (3)	
Eng 315	Advanced Essay Writing (3)	
Eng 316	Creative Writing: Poetry (3)	
Eng 317	Creative Writing: Fiction (3)	
		12

C: Three hours in a 300-400 level writing intensive course in the student's major

For additional information contact:
Dr. Stephen Spector
Office: Hearnes Hall 314
Phone: 625-9535

Suggested Order of Study

Bachelor of Arts

Major Code 1501

English Major

Freshman Year

1st Semester		Hours
Course		
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 or 120 U.S. Hist]	3
CORE	[Foreign Language]	3
CORE	[Math 110 or equivalent]	3
CORE	[Kine 101 Physical Activity]	1
Psy 120	College Orientation	1
		14

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Foreign Language]	3
Eng	Elective	3
CORE	[Hist 110, 120 or 320 U.S. History]	3
		15

Sophomore Year

1st Semester		
CORE	[Foreign Language]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Eng 310	Prof Wrtng or Eng Elective	3
		15

2nd Semester

CORE	[Foreign Language]	3
Eng 202	Wrtg & Research in Eng.	3
CORE	[Phys 100 Physical Science]	5
CORE	[Psy 100 or Soc 110]	3
Eng 216 or 315 or English elective		3
		17

Junior Year

1st Semester		
Eng	Elective	3
Eng 301	or Eng Elective	3
CORE	[Econ 180 Amer Econ Sys]	3
Electives	[Minor]	9
		18

2nd Semester

Eng 400	History of the Eng Lang	
OR		
Eng	Elective	3
Eng	Elective	3
CORE	[Art 110, Mus 110 or Th 110]	3
Elective	[Minor]	6
		15

Senior Year

1st Semester		
Eng	Electives	9
	Elective [Minor]	6
CORE	[International Cultural Stu]	3
		18

2nd Semester		
Eng	Electives	9
Elective	[Minor]	9
		18

[Department Recommendations]

Students must choose one course from 216, 310, 313 or 315. Eng 301 is offered fall semesters only; Eng 400 is offered in spring semesters only. Six hours of literature selected from Area 2, sections B and C will satisfy six hours of the Core Curriculum requirements page 43.

For additional information contact:
Dr. Stephen J. Spector
Office: Hearnese Hall 314
Phone: 625-9535

Bachelor of Science in Education
Major Code 0842
English Major
Grades 9-12 Certification
Plan A One of Two Teaching Fields

Note: Students following Plan A should consult an adviser in English and the other major to work out an individualized program.

Freshman Year

1st Semester		Hours
Course		
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Hist 110 or 120 U.S. Hist]	3
CORE	[Math 110 or equivalent]	3
CORE	[Kine 101 Physical Activity]	1
Psy 120	College Orientation	1
CORE	[Econ 180 Amer Econ Sys]	3
		17

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Lit Survey: Eng/Amer/World]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110 or Th 110]	3
Educ 100	Orientation to Educ I	1
		17

Sophomore Year

1st Semester		
<i>Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT is less than 20, student should retake ACT.</i>		
CORE	[Area 2 C: Eng, Amer, World Lit]	
OR		
Eng 150	Intro to Literature	
OR		
Eng 305	Short Story	3
Eng	[Eng, Amer or World Lit]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Physical Science]	5
Psy 301	Adolescent Psychology	3
Educ 200	Orientation to Educ II	1
		17

2nd Semester
Apply for admission to teacher education during first six weeks of the semester.

Eng	[Eng, Amer or World Lit]	3
Psy 302	Exceptional Child	2
Psy 310	Educational Psychology	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110, 120 or 320]	3
Educ 301*	Computer Software	3
		17

*This is a certification requirement and must be taken by all teacher education students.

Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admission to teacher education.

1st Semester		
Eng 301	Modern Grammar	3
Eng 310	Professional Writing	3
Educ 321	Microteaching	2
Educ 329	Ped Theo Meth & Prac	4
Educ 423	Classroom Management	2
English	Elective	3
		17

2nd Semester

Eng 400	Hist of Eng Language	3
Eng 216	or 315	3
Eng 330	Lit for Adolescents	3
Eng	[English, American, or Wld Lit]	3
Educ 422*	Reading in Sec. Schools	2
		15

*May be taken any semester after completing the junior block.

Senior Year

Apply for admission to student teaching. All course work must be completed except for professional semester courses.

1st Semester		
Eng	Electives	3
Elective	(General)	3
Eng 319	Comp for Teachers	3
CORE	[Intern'l Cultural Stu]	3
		12

2nd Semester

Educ 332	Tching Eng in Sec Sch	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412	Indiv Curriculum Dev (2)	
OR		
Educ 420*	Intro to Counseling (3)	
OR		
Psy 412	Meas & Eval (2)	2-3
		16-17

[Department Recommendations]

*Offered at night only. Must be taken the semester prior to student teaching.

For additional information contact:
Dr. Stephen Spector
Office: Hearnese Hall 314
Phone: 625-9535

Bachelor of Science in Education
English Major
Plan B Single Teaching Field
Grades 9-12 Certification

Freshman Year

1st Semester		Hours
Course		
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Hist 110 or 120]	3
CORE	[Math 110 or equiv]	3
CORE	[Kine 101 Physical Activity]	1
Psy 120	College Orientation	1
CORE	[Econ 180 Amer Econ Sys]	3
		17

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Lit Survey: Eng/Amer/World]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110 or Th 110]	3
Educ 100	Orientation to Educ I	1
		17

Sophomore Year

1st Semester		
<i>Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT is less than 20, student should retake ACT.</i>		
CORE	[Area 2-C: Eng/Amer/Wld Lit]	3
Eng	[Eng, Amer or World Lit]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Physical Science]	5
Psy 301	Adolescent Psychology	3
Educ 200	Orientation to Educ II	1
		17

2nd Semester

Apply for admission to teacher education during first six weeks of the semester.

Eng	[Eng, Amer or World Lit]	3
Psy 302	Exceptional Child	2
Psy 310	Educ Psychology	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110, 120 or 320]	3
Educ 301*	Computer Software	3
		17

*This is a certification requirement and must be taken by all teacher education students.

Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admission to teacher education.

1st Semester		
Eng 301	Modern Grammar	3
Eng 310	Professional Writing	3
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Elective	(General)	3
		17

2nd Semester		
Eng 400	History of Eng Lang	3
Eng 216	or 315 or Eng Elective	3
Eng 330	Lit for Adolescents	3
Eng	Eng, Amer or World Lit	3
Educ 422*	Reading in Sec. Schools	3
		15

*May be taken any semester after completing the junior block.

Senior Year

Apply for admission to student teaching. All course work must be completed except for Professional Semester courses.

1st Semester		
Eng	Electives	9
Eng 319	Comp for Teachers	3
CORE	[International Cultural Stu]	3
Elective	(General)	3
		18

2nd Semester		
Educ 332	Tching Eng in Sec School	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412	Indiv Curriculum Dev (2)	
OR		
Educ 420*	Intro to Counseling (3)	
OR		
Psy 412	Meas & Eval (2)	2-3
		16-17

[Department Recommendations]

*Offered at night only. Must be taken the semester prior to student teaching.

For additional information contact:

Dr. Stephen Spector
Office: Hearnese Hall 314
Phone: 625-9535

Course Descriptions

Eng 080 3 hrs. cr.
Basic Composition
Offered through the Learning Center, for students whose placement scores indicate they are not prepared to enter English 101. Students will write at least six major papers with special attention given to mechanics, grammar, syntax, paragraphing and organization. Students must pass English 80 before registering for English 101. No credit toward baccalaureate degree.

Eng 101 3 hrs. cr.
College Composition I (*Writing Intensive*)
An introduction to the principles of college-level writing and critical thinking based upon expository models. Successful completion of the course permits the student to enroll in English 102. Students demonstrating exceptional ability as indicated by placement scores may be permitted to substitute English 111. (Meets Core Curriculum requirements.)

Eng 102 3 hrs. cr.
College Composition II (*Writing Intensive*)
Continued development of writing skills. Initiation, development and completion of a research paper. Prerequisite: English 101. (Meets Core Curriculum requirements.)

Eng 111 3 hrs. cr.
Advanced College Composition (*Writing Intensive*)
For students whose placement scores demonstrate exceptional proficiency. With a grade of "C" or better in English 111, a student also automatically receives three hrs. credit for English 101, thereby satisfying the six hour composition requirement. However, students receiving a D in English 111 must take English 102.

Eng 150 3 hrs. cr.
Introduction to Literature
An examination of literary themes, techniques, and approaches reflected in the genres of fiction, poetry, and drama. (Meets Core Curriculum requirements.)

Eng 160 3 hrs. cr.
Introduction to Film Studies
An introduction to the study of film as a literary genre and art form. Two hrs. lecture, 2 hrs. lab.

Eng 202 3 hrs. cr.
Writing and Research in English (*Writing Intensive*)
An intermediate course for English majors in the various types of writing in the discipline; an introduction to the aims and methods of scholarship in the discipline.

Eng 216 3 hrs. cr.
Creative Writing (*Writing Intensive*)
Writing of prose, poetry and drama. A study of the writer's roles and technical approaches to literature in order to develop creative writing skills. Prerequisite: English 101.

Eng 261 3 hrs. cr.
Masterpieces of World Literature
Selected literature through the Renaissance, excluding British and American literature. (Meets Core Curriculum requirements.)

Eng 262 3 hrs. cr.
Masterpieces of World Literature
Selected literature from the Renaissance to the present, excluding British and American literature. (Meets Core Curriculum requirements.)

Eng 271 3 hrs. cr.
English Literature
Survey of English literature from its beginnings through the eighteenth century. (Meets Core Curriculum requirements.)

Eng 272 3 hrs. cr.
English Literature
Survey of English literature from the Romantic Movement to the present. (Meets Core Curriculum requirements.)

Eng 281 3 hrs. cr.
American Literature
A survey of American literature from its beginning to the Civil War. (Meets Core Curriculum requirements.)

Eng 282 3 hrs. cr.
American Literature
A survey of American literature from the Civil War to the present. (Meets Core Curriculum requirements.)

Eng 298 (Demand) 3 hrs. cr.
Explorations in Literature
Studies in a variety of literary subjects. Topic open.

Eng 301 (F) 3 hrs. cr.
Modern Grammar
Survey of the major descriptive approaches to English grammar, emphasizing generative transformational syntax. Also focuses on dialect, usage, and practical classroom applications.

Eng 305 3 hrs. cr.
The Short Story
An indepth study of the short story with representative writers from throughout the world. (Meets Core Curriculum requirements.)

Eng 310 3 hrs. cr.
Professional Writing (*Writing Intensive*)
An advanced course focused on the technical writing demands of professional occupations. Prerequisite: 6 hrs. composition.

Eng 313 3 hrs. cr.
Technical Writing (*Writing Intensive*)
An advanced composition course focused on the practical demands of on-the-job writing. Designed primarily for upperlevel students preparing for careers in science, technology or social science. Prerequisite: Six hours of composition.

Eng 315 3 hrs. cr.
Advanced Essay Writing (*Writing Intensive*)
An advanced course in the principles of prose style, focusing on the essay. Recommended for all students, especially those entering the professions or aspiring to become writers. Prerequisite: 6 hrs. composition.

Eng 316 3 hrs. cr.
Creative Writing: Poetry (*Writing Intensive*)
An advanced course in the writing of poetry, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: English 216.

78 / *English, Environmental Health*

Eng 317 3 hrs. cr.
Creative Writing: Fiction (*Writing Intensive*)
 An advanced course in the writing of fiction, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: English 216

Eng 319 (F) 3 hrs. cr.
Composition for Teachers (*Writing Intensive*)
 For prospective teachers of English. A review of grammar, practice in writing, and the theory of teaching writing.

Eng 325 3 hrs. cr.
Children's Literature (*Writing Intensive*)
 A reading, lecture and observation course for elementary education students, including evaluation of children's literature, its historical development, and its uses in the elementary school. Does not count toward an English major.

Eng 330 3 hrs. cr.
Literature for Adolescents (*Writing Intensive*)
 An extensive reading course for English education students including evaluation of adolescent literature, some methodology for classroom use, and a major unit on minority literature.

Eng 335 3 hrs. cr.
Women's Literature
 A study of the literary tradition of women authors writing in English.

Eng 340 3 hrs. cr.
Black American Literature
 Writings by Black Americans from the Colonial Period to the present.

Eng 345 3 hrs. cr.
The American Novel
 Representative works of authors such as Hawthorne, Melville, Twain, and Faulkner.

Eng 350 3 hrs. cr.
Recent American Fiction
 The major movements in American fiction since World War II.

Eng 355 3 hrs. cr.
Arthurian Literature
 Emphasizes the origins and development of Arthurian legends in the Middle Ages; studies treatment of Arthurian literature in modern times. Works read in modern English translation.

Eng 360 3 hrs. cr.
Modern World Drama
 World drama from Ibsen to the present. Selections from European, British, American, Asian and African playwrights.

Eng 370 3 hrs. cr.
Twentieth Century Poetry
 British and American poetry from Yeats to the present.

Eng 380 3 hrs. cr.
The English Novel
 Studies in the English novel from 1700 to the present, featuring representative works from authors such as Austen, Dickens, and Joyce.

Eng 385 3 hrs. cr.
Continental Novel
 Representative works by European novelists of the nineteenth and twentieth centuries. Emphasis is on the major European novelists such as Tolstoy, Dostoevsky, and Kafka. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)

Eng 390 3 hrs. cr.
Comparative Epic
 Intensive study of a range of Western and non-Western epic poetry and prose, with emphasis on literature from non-English speaking cultures.

Eng 391 3 hrs. cr.
Comparative Lyric Poetry
 Intensive study of a range of European and non-European lyric poetry in translation.

Eng 400 (S) 3 hrs. cr.
History of the English Language
 The ancestors of English and the effect of other languages, peoples, and cultures upon the development of English. Phonology, morphology, syntax, and usage of the language throughout its history.

Eng 410 3 hrs. cr.
Medieval English Literature
 Literature of England in the Anglo-Saxon and Middle English periods. Emphasis on the works of Chaucer.

Eng 415 3 hrs. cr.
Renaissance Prose and Poetry
 English poetry and prose from 1500 to 1660. Focus on major figures such as Sidney, Spenser, Donne, Marvell, and Milton.

Eng 420 3 hrs. cr.
English Drama to 1800
 English drama from its beginnings to 1800 (excluding Shakespeare). Focus on the period of great English drama of the Renaissance and on Restoration comedy. Includes major figures such as Marlowe, Jonson, Webster, and Congreve.

Eng 425 3 hrs. cr.
Restoration and Eighteenth Century English Literature
 Poetry and prose in England from 1660-1798, representing Neoclassicism and the Enlightenment. Focus on major figures such as Dryden, Pope, Swift, Johnson, and Burns.

Eng 430 3 hrs. cr.
The Romantic Period
 English literature from 1798 to 1832 treating representative authors from Wordsworth through Keats.

Eng 435 3 hrs. cr.
The Victorian Period
 English literature from 1832 to 1901 examining representative authors such as Tennyson, Carlyle, Browning, and Dickens.

Eng 450 (F) 3 hrs. cr.
Shakespeare
 Selected comedies, histories, tragedies, romances, and poems.

Eng 455 3 hrs. cr.
English Literature: Major Figures
 An intensive study of a major author or authors whose contribution to English literature is of significant worth. May be repeated with variation of author.

Eng 460 3 hrs. cr.
American Literature: Major Figures
 An intensive study of a major author or authors whose contribution to American literature is of significant worth. May be repeated with variation of author.

Eng 480 3 hrs. cr.
Literary Criticism
 Major schools of criticism and the major representatives of each school.

Eng 491 1-8 hrs. cr.
Internship in English
 Practical experience using writing skills in a professional environment. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating facility. No more than three hours may be counted toward a major or minor. Prerequisites: Advanced standing with a GPA of 3.0 and approval of a departmental committee.

Eng 498 3 hrs. cr.
Seminar in Literature
 For advanced English majors or by permission of department head. Topic open.

Eng 499 1-3 hrs. cr.
Independent Study
 Individually directed study in selected areas for advanced English majors. Prerequisite: a GPA of 3.0 in English. Enrollment must be approved by adviser, department head and school dean.

Environmental Health

Reynolds Hall 313A, 625-9731

Faculty Adams - Coordinator, Fletcher, Tillman

The College offers the four-year bachelor of science in environmental health with three options. The program is fully accredited by the National Environmental Health Association (NEHA).

Bachelor of Science Option I: Water and Wastewater Management

This bachelor of science degree requires three academic years of study at Missouri Southern preceded or followed by successful completion of the Water and Wastewater

program at Crowder College, Neosho, Mo., or the Environmental Water Technology program, with emphasis in water and wastewater, at Fort Scott Community College at Fort Scott, Ks. At Missouri Southern the student pays the same fees as any other student if residency requirements have been met.

Option II: Hazardous Materials Management

This bachelor of science degree requires three academic years of study at Missouri Southern preceded or followed by successful completion of the Hazardous Materials Management program at Crowder College, Neosho, Mo. At Missouri Southern the student pays the same fees as any other student if residency requirements have been met.

Option III: Community and Occupational Health

This bachelor of science degree requires four complete academic years at Missouri Southern, including an internship. Plans for the internship should be made with the student's adviser during the spring semester of the junior year.

Bachelor of Science Environmental Health Major (Major Code 1299)

	Semester Hours
Core Requirements (p. 43) 51*	39
Biology and Environmental Health Core	30-31
Bio 101 General Biology	4
Bio 231 General & Medical Microbiology	5
Bio 290 Research Methods in Biology	2
Bio 306 Human Phys & Anat (5) OR	
Bio 431 Animal Physiology (4)	4-5
Eht 312 Environmental Biology	4
Eht 370 Environmental Health	3
Eht 371 Toxicology	2
Eht 372 Environmental Reg and Program Adm	2
Eht 380 Epidemiology	3
Eht 381 Risk Assess & Comm	1

Mathematics and Physical Science Requirements	30
Math 140 College Algebra and Trigonometry	5
Chem 101 General Chemistry I	5
Chem 102 General Chemistry II	5
Chem 201 Analytical Chemistry I	5

Chem 300 Introduction to Modern Organic Chemistry	5
Phys 151 Elementary College Physics	5
College Computer Requirement	2-3
Bio 303 Computer Applications in Biology (2)	
OR	
Approved Computer Course (3)	2-3

Option I	
Water and Wastewater Management	
Water and Wastewater Technical School	30
Upper Division Hours Awarded	20
	132-133

Option II	
Hazardous Materials Management	
Hazardous Materials Management	30
Upper Division Hours Awarded	20
	132-133

Option III	
Community and Occupational Health	
Select approved courses to complete a 30 hr. block of which 20 hours must be Eht courses and include ET 377, Eht 378, and Eht 450.	30
Bio 240 Radiation Biology	3
Bio 361 Parasitology	4
Bio 402 General Ecology	4
Bio 481 Aquatic Ecology	4
Eht 298 Selected Topics in Environmental Health	1-8
Eht 373 Solid Waste Manage	2
Eht 375 Vector Control	2
Eht 376 Soils and Small Sewage Disposal Systems	2
Eht 377 Community Sanitation	4
Eht 378 Occupational Hlth & Safety	3
Eht 385 Food, Milk and Consumer Protection	4
Eht 450 Internship in Environmental Health	1-8
Eht 498 Seminar in Environmental Health	1-3
Eht 499 Problems in Environmental Health	1-3
Eht 300 Environmental Geology	4
	132-133

Majors satisfy the Writing Intensive (WI) requirement by completing ENG 101 and 102 (or their equivalent) and three WI classes in environmental health, biology or a supporting area. See page 44 for Writing Intensive requirements. Math 130 + Math 112 is equivalent to Math 140.

*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hrs. of the Core Curriculum.

Suggested Order of Study

Bachelor of Science Degree Major Code 1299 Environmental Health Major

Freshman Year		
1st Semester		Hours
Course		
Bio 101	General Biology	4
CORE	[American Cultural Stu]	3
CORE	[Eng 101 Comp I]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Psy 120 College Orient]	1
Math 140	College Algebra & Trig	5
		17

2nd Semester		
CORE	[Behavioral Science]	3
CORE	[Eng 102 Comp II]	3
CORE	[American Cultural Studies]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Humanities and Fine Arts]	3
		17

Sophomore Year		
1st Semester		
CORE	[American Cultural Studies]	3
Bio 231	Gen/Med Microbio (Bio 101)	5
Chem 101	Gen Chemistry I (Math 140)	5
CORE	[Comm 100 Oral Comm]	3
		16

2nd Semester		
Chem 102	Gen Chem II (Chem 101)	5
Bio 290	Res Meth in Bio (Bio 101, Math 140)	2
Bio 303	Comp Appl in Bio (Bio 101)	
OR		
Approved computer course		2-3
CORE	[American Cultural Stu]	3
Phy 151	Elem Col Phy (Math 140)	5
		16-17

Summer Session		
CORE	[International Cultural Stu]	3
CORE	[American Cultural Stu]	3
		6

Junior Year		
1st Semester		
Bio 306	Hum Phys & Anat (consent)	
OR		
Bio 431	Animal Phys (Bio 331)	4-5
Eht 312	Environmental Biology (Bio 101)	4
Chem 201	Analytical Chemistry I (Chem 102)	5
CORE	[Humanities & Fine Arts]	3
		16-17

80 / Environmental Health

2nd Semester

Chem 300	Intro to Mod Org Chem (Chem 102)	5
Eht 372	Env Reg & Pro Adm (Eht 312 & 370)	2
Eht 370	Environmental Health (Bio 231)	3
Eht 371	Toxicology (Bio 306)	2
Eht 380	Epidemiology (Bio 290)	3
		15

Senior Year

Option I: Water and Wastewater Management 30
(30 hours; 20 upper division awarded)

Option II: Hazardous Materials Management 30
(30 hours; 20 upper division awarded)

Option III: Community and Occupational Health

Select approved courses to complete a 30 hr. block from the following. The block must have 20 hours of Environmental Health courses and include Eht 377, 378, and 450.

Bio 240	Radiation Biology (Bio 306)	3
Bio 361	Parasitology (Bio 122)	4
Bio 402	General Ecology (Consent)	4
Bio 481	Aquatic Ecology (Consent)	4
Eht 298	Sel Topics in Envir Health (Bio 101, 112 & 122)	1-8
Eht 300	Environmental Geology (Phys 100)	4
Eht 373	Solid Waste Manage (Eht 312 & 370)	3
Eht 375	Vector Control (Eht 312 & 370)	2
Eht 376	Soils & Small Sewage Disposal Systems (Consent)	2
Eht 377	Community Sanitation (Eht 370)	4
Eht 378	Occupational Hlth & Safety	3
Eht 385	Food, Milk & Consumer Protection (Eht 312 & 370)	4
Eht 450	Internship in Environmental Health (consent)	1-8
Eht 498	Seminar in Environmental Health (consent)	1-3
Eht 499	Problems in Environmental Health (consent)	1-3
		132-133

[Departmental Recommendations]
(Prerequisites)

Program must satisfy Writing Intensive (WI) requirements page 44.

For additional information contact:

Dr. Wayne Adams

Office: Reynolds Hall 317C

Phone: 625-9731

or

Mr. Michael Fletcher

Office: Reynolds Hall 303

Phone: 625-9765

Course Descriptions

Eht 298 (Demand) 1-8 hrs. cr.

Selected Topics in Environmental Health

Special topics in environmental health not normally included in another course. Prerequisite: Permission.

Eht 300 (Demand) 4 hrs. cr.

Environmental Geology

Introduction to man's relationship to the earth's environment. Limitations of natural resources and future projections are considered along with man's demands on the environment. Oil spills, surface mining, waste disposal, ground water and other problems of a geologic nature are reviewed. Natural environmental hazards, such as volcanoes, earthquakes, subsidence, mass movements and floods are examined. Prerequisites: Phys 100 or 151 (Double listed in geology.)

Eht 312 (F) 4 hrs. cr.

Environmental Biology (Writing Intensive)

Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2 hr. lab per week. Prerequisite: Bio 112 and 122 or permission. (Double listed in biology.)

Eht 370 (Demand) 3 hrs. cr.

Environmental Health

Contemporary health problems and public health protection measures, including public health disease prevention, and environmental health hazards. Three lectures per week. Prerequisite: Bio 231. (Double listed in biology & environmental health.)

Eht 371 (S) 2 hrs. cr.

Toxicology

An introduction to toxicants which threaten the health of humans. Three lectures per week. Prerequisite: Bio 306.

Eht 372 (F, Odd) 2 hrs. cr.

Environmental Regulations and Program Administrations

Study of regulations which constitute the basis for management of environmental agencies and organization of environmental health agencies. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 373 (S, Even) 2 hrs. cr.

Solid Waste Management

Introduction to the problems and solutions related to the generation, storage, collection and disposal of solid wastes. Management aspects of planning, organizing, designing and operating refuse collection and disposal systems also included. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 375 (S, Even) 2 hrs. cr.

Vector Control

Identification and control of organisms which serve as reservoirs and vectors of diseases. One lecture, one 2-hr. lab per week. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 376 (Demand) 2 hrs. cr.

Soils and Small Sewage Disposal Systems

Information on soils and state regulations necessary to locate sites, perform soil percolation tests and design small sewage disposal systems. One lecture and two hours of laboratory (field activities) per week. Prerequisite: permission.

Eht 377 (S, Odd) 4 hrs. cr.

Community Sanitation

Introduction to concepts, principles and methods generally useful in performance of duties of city and county health department personnel. Three lectures, one 2-hr. lab per week. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 378 (S, Even) 3 hrs. cr.

Occupational Health and Safety

An introduction to the concepts, principles, and methods generally employed by industrial health and safety officers in the performance of the duties. Prerequisite: permission.

Eht 380 (S, Odd) 3 hrs. cr.

Epidemiology

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease. Prerequisite: Bio 290. (Double listed in biology.)

Eht 381 (Demand) 1 hr. cr.

Risk Assessment and Communication

Introduction to the concepts, principles, and methods generally useful in assessing risk and communicating the levels of risk to workers and the public. Prerequisite: permission.

Eht 385 (F, Even) 4 hrs. cr.

Food, Milk and Consumer Protection

Introduction to production, processing, transporting and retailing of food, milk, shellfish and other foods. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 231, Eht 312 (Bio 312) and Eht 370 (Bio 370).

Eht 450 (F, S) 1-8 hrs. cr.

Internship in Environmental Health

Experience in actual observation and work at health facilities, health regulation agencies and/or industrial plants where environmental health is a viable concern. Periodic meetings between the Missouri Southern coordinator, the cooperating institution and the student will be required. The student should not be employed in any job that will prevent full-time, maximum concentration on the academic internship. Prerequisite: Senior standing in environmental health or biology curricula.

Eht 498 (Demand) 1-3 hrs. cr.

Seminar in Environmental Health

For upper division environmental health and biology majors only. Meets regularly a minimum number of hours. Designed to give specialized instruction in some discipline of environmental health not covered in other courses. Prerequisites: Junior standing, 20 hrs. in environmental health and/or biology and a minimum GPA of 2.5 in environmental health and/or biology or permission.

Eht 499 (Demand)

1-3 hrs. cr.

Problems in Environmental Health

Individual work under the supervision of a staff member, with the credit and hours to be arranged. Problems may be undertaken in any field of environmental health, with adequate preparation and the consent of the supervising instructor, coordinator, department head and school dean. Prerequisites: Minimum GPA of 3.0 in 20 hrs. of environmental health and/or biology.

Foreign Languages and Literatures

Webster Hall 353, 625-9580

Faculty Massa - Head, Burch, Cramer, Crawford, Hou, Karmanova, Sartori, Schweizer, Talavera, Weber

Once it was simply said that fluency in a second language would be a valuable social and business asset. Now, however, a second language is deemed a necessity in solving many of the world's problems of this and the next century. The problems, we have learned, have their beginnings in understanding one another's words, ideas, cultures and beliefs. For business, foreign language skills have become an advantage, as *The Wall Street Journal* has pointed out editorially: "American managers with language skills open more doors." And *The New York Times* wrote: "American ignorance of other tongues has been hurting American business executives...."

In a college with an international mission, it becomes the task of the department of communications and its faculty in foreign languages to help students achieve communications skills in a non-native language.

To that end, the department has structured its foreign language offerings on a communicative-based system of instruction so that students who enroll in a course will learn to use the language in situations they may find themselves in during their lives. Language study becomes, therefore, an extremely practical tool.

A major in Spanish permits an in-depth study of the cultural heritages of various Hispanic civilizations. Extensive study in any of the languages offered, however, when combined with majors in business, political science or

communications, as some examples, is especially valuable for students of the 1990s. Whether the students' interests are in the European community, the booming tourism profession, Pacific Rim trade or international politics, they will wish to develop a high level of proficiency in a foreign language.

For all students, the department provides opportunities for study abroad. Through the International Student Exchange Program students may choose from a wide variety of colleges and universities around the world for a semester or a year of study. The department also offers advice concerning the role of language study in career planning. Whether enrolled or not in an international program, students may wish to examine the possibilities offered by foreign language study in enriching their careers. Membership in Beta Rho Chapter of Phi Sigma Iota, national honorary society in foreign languages, is available to outstanding students.

Students who have had no previous foreign language training are advised to enroll in a 101 course. Students with one year of high school foreign language classes also should enroll in a 101 course. Students who had two years of a language in high school should enroll in a 102 course of the same language, if they received at least a "B" in the high school language. Students who had three or four years of high school foreign language study may enroll in a 203 course in the same language, provided their high school grades were a "B" average in that language. Students who may have attained a proficiency greater than that offered in a 203 course will be placed appropriately after an assessment is made of their skills. In all cases, students should arrange with their instructors to "test-out" of lower-numbered courses to receive credit.

Questions concerning the foreign language program should be addressed to the department of communications.

Bachelor of Arts with a Major in Spanish

	Semester Hours
Core Requirements (p. 43)	51
Computer Literacy Requirement:	
Comp 105 Intro to Micro Use	3
Foreign Language	12
Spanish Requirements	33
Span 204 Intermediate Spanish II	3
Span Electives chosen with	

approval of Spanish adviser, but must include 306 or 307; 321 or 322; and 333 or 334. At least 3 additional hours must be upper-division. 30

Supporting Requirements: (choose two) 6

Comm 305 Intercultural	
Communication	3
GB 310 International Business	3
PSc 321 International Relations	3

OR

any other approved upper-division course in an international field of study.

Electives 23

128*

*Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Science in Education with a Major in Spanish

Grades K-12 Certification

Plan A One of Two Teaching Fields

	Semester Hours
Core Requirements (p. 43) 51*	48
Computer literacy Requirement:	
Educ 301 Use of Computer Software in the Classroom	3
Spanish Requirements**	36
Span 101 Beginning Spanish I	3
Span 102 Beginning Spanish II	3
Span 203 Intermediate Spanish I	3
Span 204 Intermediate Spanish II	3
Span 210 Beginning Conversation	3
Span 300 Spanish Composition and Syntax	3
Span 302 Introduction to Hispanic Literature	3
Span 305 Advanced Conversation	3
Span 306 Introduction to Spanish Civilization	3
Span 307 Introduction to Latin American Civilization	3
Span 320 Advanced Spanish Composition	3
Span 321 Peninsular Literature (El Cid to Calderon)	
OR	
Span 322 Peninsular Literature (Romantics to Present)	
OR	
Span 333 Survey of Spanish-American Literature I	

82 / Foreign Languages

OR	
Span 334 Survey of Spanish-American Literature II	3
Education Certification Requirements (p. 134)	38-39
Second Teaching Field (some fields exceed 30 hrs.)	30
	155-156***

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

**A candidate for a degree under Plan A must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

***A minimum of 128 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 128.

Bachelor of Science in Education with a Major in Spanish

Grades K-12 Certification
Plan B Single Teaching Field

	Semester Hours
Core Requirements (p. 43)	51*
Computer Literacy Requirement:	
Educ 301 Use of Computer Software in the Classroom	3
Spanish Requirements**	39
Span 101 Beginning Spanish I	3
Span 102 Beginning Spanish II	3
Span 203 Intermediate Spanish I	3
Span 204 Intermediate Spanish II	3
Span 210 Beginning Conversation	3
Span 300 Spanish Composition and Syntax	3
Span 302 Introduction to Hispanic Literature	3
Span 305 Advanced Conversation	3
Span 306 Introduction to Spanish Civilization	3
Span 307 Introduction to Latin American Civilization	3
Span 320 Advanced Spanish Composition	3
Span 321 Peninsular Literature (El Cid to Calderon)	3
OR	
Span 322 Peninsular Literature (Romantics to Present)	3
Span 333 Survey of Spanish-American Literature I	

OR	
Span 334 Survey of Spanish-American Literature II	3
Education Certification Requirements (p. 149)	38
	128

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

**A candidate for a degree under Plan B must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

Minor in Spanish

A minor in Spanish requires the student to complete 12 hours of approved courses beyond Span 204 or the equivalent level of proficiency. Courses for the minor must include one class at the 300 level or above in each of the following four areas: Civilization, conversation, literature, and one area of choice.

Minor in French

A minor in French requires 18 hours of courses in French of which six must be upper division.

Minor in German

A minor in German requires 18 hours of courses in German of which six must be upper division.

Suggested Order of Study

Bachelor of Arts Major Code 1105 Spanish Major

Freshman Year		Hours
1st Semester		
Course		
Span 101	Beginning Spanish I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		18

2nd Semester		
Span 102	Beginning Spanish II	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Kine 101 Physical Activity]	1
		15

Sophomore Year

1st Semester		
Span 203	Intermediate Spanish I	3
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 110 U.S. History]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
		16

2nd Semester		
Span 204	Intermediate Spanish II	3
Span 210	Beginning Conversation	3
CORE	[Psy 100 or Soc 110]	3
Comp 105	Intro to Micro Use	3
CORE	[Hist 320 U.S. History]	3
		15

Junior Year

1st Semester		
Span 300	Spanish Comp & Syntax	3
Span 305	Advanced Conversation	3
CORE	[Econ 180 Amer Econ Sys]	3
Electives*		6
		15

2nd Semester		
Span 302	Intro to Hispanic Lit	3
Span 307	Intro to Lat Amer Civ	3
Span 320	Advanced Span Comp	3
Span 322	Peninsular Literature	3
Supporting Requirements		6
		18

Senior Year

1st Semester		
Span 304	Spanish Phonology	2
Span 306	Intro to Span Civilization	3
Span 321	Peninsular Literature	3
Span 333	Survey of Span-Amer Lit I	3
Electives*		5
		16

2nd Semester		
Span 334	Survey of Span-Amer Lit II	3
Span 400	Hispanic Drama	3
Electives*		9
		15

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

[Department Recommendations]

For additional information contact:
Mr. Richard W. Massa
Office: Webster Hall 362
Phone: 625-9372

Bachelor of Science in Education

Major Code 0847

Spanish Major (Plan A)

Grades K-12 Certification

One of Two Teaching Fields

Freshman Year

1st Semester

Course	Hours
Span 101 Beginning Spanish I	3
CORE [Eng 101 Comp I]	3
CORE [Comm 100 Oral Comm]	3
CORE [Math 110 Intro to Col Math]	3
CORE [Kine 103 Lifetime Wellness]	2
Psy 120 College Orientation	1
Educ 100 Orientation to Educ I	1
Elective* Second Teaching Field	3
	19

2nd Semester

Span 102 Beginning Spanish II	3
Psy 100 General Psychology	3
CORE [Eng 102 Comp II]	3
CORE [Kine 101 Physical Activity]	1
CORE [Humanities and Fine Arts]	3
CORE [Hist 110 U.S. History]	3
Elective* Second Teaching Field	6
	22

Sophomore Year

1st Semester

Take C-Base Test.

Span 203 Intermediate Spanish I	3
Educ 200 Orientation to Educ II	1
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Humanities and Fine Arts]	3
CORE [Phys 100 Fund of Phys Sci]	5
Psy 305 Developmental Psychology	4
Elective* Second Teaching Field	4
	23

2nd Semester

Apply for admission to teacher education.

Span 204 Intermediate Spanish II	3
Span 210 Beginning Conversation	3
Psy 310 Educational Psychology	2
CORE [Humanities and Fine Arts]	3
CORE [Bio 101 General Biology]	4
Educ 302 The Exceptional Child	2
Elective* Second Teaching Field	3
	20

Junior Year

Pass media competencies.

1st Semester

Span 300 Spanish Comp & Syntax	3
Span 305 Advanced Conversation	3
Educ 329 Ped Theo, Meth & Prac	4
Educ 321 Microteaching	2
Educ 301 Use of Computer Software in the Classroom	3
Educ 423 Classroom Management	2
Elective* Second Teaching Field	3
	20

2nd Semester

Span 302 Intro to Hispanic Lit	3
Span 307 Intro to Latin Amer Civ	3
Span 320 Advanced Span Comp	3
Span 321 or 322, or 333, or 334	3
Educ 422 Rdng in Sec Sch	2
Electives* Second Teaching Field	6
	20

Senior Year

Apply for student teaching. All course work must be completed except for Professional Semester courses.

1st Semester

Span 306 Intro to Span Civilization	3
CORE [Hist 320 U.S. History]	3
CORE [Econ 180 Amer Econ Sys]	3
Educ 412 or Educ 420** or Psy 412	2-3
Comm 305 Intercultural Communication	3
Electives* Second Teaching Field	5
	19-20

2nd Semester

Educ 402 Foundations of Educ	2
Educ 432 Critical Issue in Educ	2
Educ 345 Tchng For Lang K-12	2
Educ 464 Student Teaching	8
	14

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

**Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Mr. Richard W. Massa

Office: Webster Hall 362

Phone: 625-9372

Bachelor of Science in Education

Major Code 0847

Spanish Major (Plan B)

Grades K-12 Certification

Single Teaching Field

Freshman Year

1st Semester

Course	Hours
Span 101 Beginning Spanish I	3
CORE [Eng 101 Comp I]	3
CORE [Comm 100 Oral Comm]	3
CORE [Math 110 Intro to Col Math]	3
CORE [Kine 103 Lifetime Wellness]	2
Psy 120 College Orientation	1
Educ 100 Orientation to Educ I	1
	16

2nd Semester

Span 102 Beginning Spanish II	3
Psy 100 General Psychology	3
CORE [Eng 102 Comp II]	3
CORE [Kine 101 Physical Activity]	1
CORE [Humanities and Fine Arts]	3
CORE [Hist 110 U.S. History]	3
	16

Sophomore Year

1st Semester

Take C-Base Test.

Span 203 Intermediate Spanish I	3
Educ 200 Orientation to Educ II	1
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Humanities and Fine Arts]	3
CORE [Phys 100 Fund of Phys Sci]	5
Psy 305 Developmental Psychology	4
	19

2nd Semester

Apply for admission to teacher education.

Span 204 Intermediate Spanish II	3
Span 210 Beginning Conversation	3
Psy 310 Educational Psychology	2
CORE [Humanities and Fine Arts]	3
CORE [Bio 101 General Biology]	4
Educ 302 The Exceptional Child	2
	17

Junior Year

Pass media competencies.

1st Semester

Span 300 Spanish Comp & Syntax	3
Span 305 Advanced Conversation	3
Educ 329 Ped Theo, Meth & Prac	4
Educ 321 Microteaching	2
Educ 301 Use of Computer Software in the Classroom	3
Educ 423 Classroom Management	2
	17

2nd Semester

Span 302 Intro to Hispanic Lit	3
Span 307 Intro to Latin Amer Civ	3
Span 320 Advanced Span Comp	3
Span 322 Peninsular Literature	3
Comm 305 Intercultural Communication	3
Educ 422 Rdng in Sec Sch	2
	17

Senior Year

Apply for student teaching. All course work must be completed except for Professional Semester courses.

1st Semester

Span 306 Intro to Span Civilization	3
Span 333 Survey of Span-Amer Lit I	3
CORE [Hist 320 U.S. History]	3
CORE [Econ 180 Amer Econ Sys]	3
Educ 412 or Educ 420* or Psy 412	2-3
	14-15

2nd Semester

Educ 402 Foundations of Educ	2
Educ 432 Critical Issue in Educ	2
Educ 345 Tchng For Lang K-12	2
Educ 464 Student Teaching	8
	14

84 / Foreign Languages

All courses should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

*Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Mr. Richard W. Massa

Office: Webster Hall 362

Phone: 625-9372

Course Descriptions

Arabic (Ara)

Ara 101 (Demand) 3 hrs. cr.
Beginning Arabic I

Fundamental elements of modern standard Arabic. Basic sentence patterns and grammar.

Ara 102 (Demand) 3 hrs. cr.
Beginning Arabic II

A continuation of 101. Further introduction to the basic skills of listening to and speaking the Arabic language. Prerequisite: Ara 101.

Ara 203 (Demand) 3 hrs. cr.
Intermediate Arabic I

Systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Ara 102.

Ara 204 (Demand) 3 hrs. cr.
Intermediate Arabic II

Continuation of 203. Further systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Arabic 203.

Ara 298 (Demand) 1-3 hrs. cr.
Selected Topics in Arabic

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Ara 498 (Demand) 1-3 hrs. cr.
Special Topics in Arabic

For upper-division students. Topics to be announced each time the course is offered.

Ara 499 (Demand) 1-3 hrs. cr.
Independent Study

Individually directed study in Arabic. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Chinese (Chi)

Chi 100 (Demand) 1 hr. cr.
Introductory Chinese

Introductory course which will acquaint students with Chinese customs, culture, social behaviors, pinyin (Chinese Phonetic Alphabet) and Romanization. The course which will be primarily taught in English will mainly focus on spoken Chinese and written symbol basics such as radicals. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Chi 101 (Demand) 3 hrs. cr.
Beginning Chinese I (Mandarin)

Pronunciation, grammar, elementary conversation, development of basic communicative skills.

Chi 102 (Demand) 3 hrs. cr.
Beginning Chinese II (Mandarin)

A continuation of 101. Pronunciation, grammar, elementary conversation. Prerequisite: Chi 101.

Chi 203 (Demand) 3 hrs. cr.
Intermediate Chinese I (Mandarin)

Systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 102.

Chi 204 (Demand) 3 hrs. cr.
Intermediate Chinese II (Mandarin)

A continuation of Chinese 203. Further systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 203.

Chi 298 (Demand) 1-3 hrs. cr.
Selected Topics in Chinese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Chi 498 (Demand) 1-3 hrs. cr.
Special Topics in Chinese

For upper-division students. Topics to be announced each time the course is offered.

Chi 499 (Demand) 1-3 hrs. cr.
Independent Study

Individually directed study in Chinese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

French (Fren)

Fren 101 (F, S) 3 hrs. cr.
Beginning French I

The first semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures.

Fren 102 (F, S) 3 hrs. cr.
Beginning French II

The second semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 101 or equivalent level of proficiency.

Fren 203 (F, S) 3 hrs. cr.
Intermediate French I

The third semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 102 or equivalent level of proficiency.

Fren 204 (F, S) 3 hrs. cr.
Intermediate French II

The fourth semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 203 or equivalent level of proficiency.

Fren 298 (Demand) 1-8 hrs. cr.
Selected Topics in French

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 301 (F, S) 3 hrs. cr.
Readings & Conversation

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 302 (F, S) 3 hrs. cr.
Contemporary French Culture and Civilization

Continued development of language skills (listening, speaking, reading, writing). Contemporary France, the daily life of its people, the social and economic institutions which impact them, and the arts and media will be the focus for reading and discussion. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 303 (Demand) 3 hrs. cr.
French Composition

Practice in writing French accompanied by a study of grammar and syntax. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 305 (Demand) 3 hrs. cr.
Contemporary Francophone Cultures

Analysis of contemporary life in selected French-speaking regions: Québec, Sénégal, and Guadeloupe and Martinique. Students will continue to develop their French language skills. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 322 (Demand) 3 hrs. cr.
Twentieth-Century French Literature

Reading and discussion of twentieth-century literature from France and the Francophone world. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 325 (Demand) 3 hrs. cr.
French Cinema

A survey of the most important aspects of cinematography and cinematographic production in France. Covers major figures in the field of film and an introduction to the major movements. Taught in French with readings both in French and English. Prerequisite: Fren 204 or the equivalent level of proficiency.

Fren 345 (Demand) 1-8 hrs. cr.
Internship in French

Off-campus work experience in areas related to professional goals of students. For advanced students in French. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisite: A minimum of 18 hours in French with a minimum 3.0 g.p.a.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Fren 400 (Demand) 3 hrs. cr.
French for Business

An introduction to French business terminology, concepts, situations, and procedures. Oral and written activities will continue to develop French language skills within a commercial context. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 498 (Demand) 1-8 hrs. cr.
Special Topics in French

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 499 (Demand) 1-3 hrs. cr.
Independent Study

Individually directed study in French. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

German (Ger)

Ger 101 (F, S) 3 hrs. cr.
Beginning German I

An introduction to the basic skills of understanding, speaking, reading and writing in German and to the study of the German speaking cultures.

Ger 102 (F, S) 3 hrs. cr.
Beginning German II

A continuation of Ger 101. Emphasis on the skills of understanding, speaking and writing in German and on the study of the German speaking cultures. Prerequisite: Ger 101 or the equivalent level of proficiency.

Ger 203 (F, S) 3 hrs. cr.
Intermediate German I

A continuation of Ger 102. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures at the intermediate level. Prerequisite: Ger 102 or the equivalent level of proficiency.

Ger 204 (F, S) 3 hrs. cr.
Intermediate German II

A continuation of Ger 203. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures, continuing at the intermediate level. Prerequisite: Ger 203 or the equivalent level of proficiency.

Ger 298 (Demand) 1-8 hrs. cr.
Selected Topics in German

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 301 (F, S) 3 hrs. cr.
Readings & Conversation

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 302 (F, S) 3 hrs. cr.
Readings in Literature and Culture

Continued development of the four basic language skills in the target language through readings and conversation in culture and literature. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 345 (Demand) 1-8 hrs. cr.
Internship in German

Off-campus work experience in areas related to professional goals of students. For advanced students in German. Students must make application for the program during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in German with a minimum 3.0 GPA.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Ger 498 (Demand) 1-8 hrs. cr.
Special Topics in German

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 499 (Demand) 1-3 hrs. cr.
Independent Study

Individually directed study in German. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

Japanese (Jpn)

Jpn 100 (F,S) 1 hr. cr.
Introductory Japanese

Introductory course which will get students acquainted with Japanese alphabet, customs, culture and social behaviors. The course will mainly focus on spoken Japanese and Japanese written alphabet. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Jpn 101 (Demand) 3 hrs. cr.
Beginning Japanese I
Pronunciation, conversation and grammar. Aural/oral drill.

Jpn 102 (Demand) 3 hrs. cr.
Beginning Japanese II
Continuation of Japanese 101. Additional work in pronunciation, conversation and grammar. Aural/oral drill. Prerequisite: Jpn 101.

Jpn 203 (Demand) 3 hrs. cr.
Intermediate Japanese I
Grammar review and continued aural/oral practice. Prerequisite: Jpn 102.

Jpn 204 (Demand) 3 hrs. cr.
Intermediate Japanese II
Continuation of Japanese 203 with additional grammar review and continued aural/oral practice. Prerequisite: Jpn 203.

Jpn 298 (Demand) 1-3 hrs. cr.
Selected Topics in Japanese
Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Jpn 305 (Demand) 3 hrs. cr.
Advanced Japanese I

First half of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in *hiragana* and *katakana*, and should be familiar with the basic *kanji* introduced in Japanese 100 and 200 level. Prerequisite: Jpn 204 or placement test.

86 / Foreign Languages

Jpn 306 (Demand) 3 hrs. cr.
Advanced Japanese II

Conclusion of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in *hiragana* and *katakana*, and should be familiar with the basic *kanji* introduced in Japanese 100 and 200 level. Prerequisite: Jpn 305 or placement test.

Jpn 498 (Demand) 1-3 hrs. cr.
Special Topics in Japanese
 For upper-division students. Topics to be announced each time the course is offered.

Jpn 499 (Demand) 1-3 hrs. cr.
Independent Study
 Individually directed study in Japanese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Russian (Rus)

Rus 101 (F, S) 3 hrs. cr.
Beginning Russian I
 Emphasis on the basic communicative skills of listening, speaking, reading and writing the Russian language. Structural grammar and basic vocabulary.

Rus 102 (F, S) 3 hrs. cr.
Beginning Russian II
 A continuation of Rus 101. Further introduction to the basic skills of listening to, speaking, reading and writing the Russian language. Prerequisite: Rus 101 or equivalent level of proficiency.

Rus 103 (Demand) 6 hrs. cr.
Accelerated Russian for Business
 An intensive overview of Russian language for beginners, developing working proficiency in listening, speaking, reading, and writing in the area of business.

Rus 203 (F, S) 3 hrs. cr.
Intermediate Russian I
 Systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 102 or equivalent level of proficiency.

Rus 204 (F, S) 3 hrs. cr.
Intermediate Russian II
 A continuation of Rus 203. Further systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 203 or equivalent level of proficiency.

Rus 298 (Demand) 1-3 hrs. cr.
Selected Topics in Russian
 Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Rus 305 (Demand) 3 hrs. cr.
Conversation and Composition
 Another step in developing a more comprehensive proficiency in Russian with a particular emphasis on speaking and writing. The course demands from the student an active use of new and already acquired vocabulary and grammar structures, as well as of syntactical features of oral and written expression. Prerequisite: Rus 204 or equivalent level of proficiency.

Rus 325 (Demand) 3 hrs. cr.
Film in Soviet and Russian History
 A survey of the most important aspects of cinematography and cinematographic production in the Soviet Union and Russia. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Taught in Russian with readings in both Russian and English. Prerequisite: Rus 204.

Rus 330 (Demand) 3 hrs. cr.
Russian Short Story
 A survey of the major Russian short stories of the XIXth and XXth centuries. Classes will involve discussion of the main figures of Russian literature. The course is to be taught entirely in Russian. Prerequisite: Rus 204.

Rus 498 (Demand) 1-3 hrs. cr.
Special Topics in Russian
 For upper-division students. Topics to be announced each time the course is offered.

Rus 499 (Demand) 1-3 hrs. cr.
Independent Study
 Individually directed study in Russian. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Spanish (Span)

Span 101 (F, S) 3 hrs. cr.
Beginning Spanish I
 The first semester of Spanish language instruction, developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory session required.

Span 102 (F, S) 3 hrs. cr.
Beginning Spanish II
 The second semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory session required. Prerequisite: Span 101 or equivalent level of proficiency.

Span 203 (F, S) 3 hrs. cr.
Intermediate Spanish I
 The third semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory session required. Prerequisite: Span 102 or equivalent level of proficiency.

Span 204 (F, S) 3 hrs. cr.
Intermediate Spanish II
 The fourth semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory session required. Prerequisite: Span 203 or equivalent level of proficiency.

Span 205 (S, Even) 3 hrs. cr.
Spanish for Business
 Taught in Spanish. Practical Spanish for persons in business. Prerequisites: Span 203 or the equivalent level of proficiency.

Span 206 (F, S) 3 hrs. cr.
Spanish for the Humanities
 This course is the fourth semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. The course is specifically designed for the liberal arts students and will present an overview of the field of humanities in Spanish. Prerequisite: Span 203 or equivalent.

Span 208 (S, Even) 3 hrs. cr.
Spanish for Nursing and Health Professionals
 Taught in Spanish. Practical Spanish for licensed or eligible candidates in the health care field. Prerequisites: Spanish 102 or the equivalent level of proficiency, and Health Assessment in English.

Span 210 (S) 3 hrs. cr.
Beginning Conversation
 Emphasis on basic survival skills of understanding, speaking, and reading in Spanish, and on the study of Spanish speaking cultures. Prerequisite: Span 203. (This course may not count towards the 12 hour B.A. requirement in foreign language.)

Span 298 (Demand) 3 hrs. cr.
Selected Topics in Spanish
 Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Span 300 (F) 3 hrs. cr.
Spanish Composition and Syntax
 Initial oral and written composition with emphasis on grammar; verbal aspect, modals, and tense contrasts through significant practice and sentence drills. Prerequisite: Span 204 or equivalent level of proficiency.

Span 302 (S) 3 hrs. cr.
Introduction to Hispanic Literature
 Peninsular, Latin American and U.S. literature in Spanish viewed in representative works of several genres at levels appropriate for students initiating their study of literature with a modest amount of historical background and culture. Prerequisite: Span 300 or equivalent level of proficiency.

Span 304 (F, Even) 2 hrs. cr.
Spanish Phonology

Advanced study of the Spanish sound system: Phonemic composition, historical antecedents, contemporary convention and variation. Study includes: contrasting inventories, syllabication, descriptive analysis, intonation as signal, accentual norms, word groups and consideration of dynamics and dialectology. Prerequisite: Span 300 or equivalent level of proficiency.

Span 305 (F) 3 hrs. cr.
Advanced Conversation

Spanish language and culture in the framework of the students' potential areas of contact: personal, travel and occupational. Conversation is the major course component. Prerequisite: Span 300, or may be taken concurrently with Span 300.

Span 306 (F) 3 hrs. cr.
Introduction to Spanish Civilization
(Writing Intensive)

Continued development of the four basic language skills through reading and conversation in Spanish culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: Span 300 or equivalent level of proficiency.

Span 307 (S) 3 hrs. cr.
Introduction to Latin American Civilization

Continued development of the four basic language skills in the language through reading and conversation in Latin American Culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: Span 300 or equivalent level of proficiency.

Span 308 (Demand) 3 hrs. cr.
Latin American Civilization: Mexico

An overview of the history of Latin American civilization using Mexico as the main frame of references and the major case for study. Prerequisite: Span 204 or equivalent level of proficiency.

Span 320 (S, Even) 3 hrs. cr.
Advanced Spanish Composition

Advanced study of the three major components of Spanish grammar, with emphasis on: verbal moods, lexical items, the effects of stress, idiomatic usage, orthography, the principles of translation and composition. Prerequisite: Span 300 or equivalent level of proficiency.

Span 321 (F, Even) 3 hrs. cr.
Peninsular Literature from El Cid to Calderon

Spain's literary history and important representative works and writings from El Cid to Calderon. Taught in Spanish. Prerequisite: Span 302.

Span 322 (S, Odd) 3 hrs. cr.
Peninsular Literature from the Romantics to the Present

Spanish literature since 1830 with emphasis on Romanticism, Realism, the generation of 1898, contemporary poetry and novel. Taught in Spanish. Prerequisite: Span 302.

Span 333 (F, Odd) 3 hrs. cr.
Survey of Spanish-American Literature I

Survey of Spanish American literature from its beginnings to Marti. Taught in Spanish. Prerequisite: Span 302.

Span 334 (S, Even) 3 hrs. cr.
Survey of Spanish-American Literature II

Survey of Spanish American literature from Marti to present. Taught in Spanish. Prerequisite: Span 302.

Span 335 (Demand) 3 hrs. cr.
Mexican Literature
(Writing Intensive)

Major figures and movements in the history of Mexican literature with an emphasis on the XXth century. Taught in Spanish as a seminar. Weekly lectures will alternate with discussion of the readings on a one-to-one basis. Prerequisite: Span 204 or equivalent level of proficiency.

Span 340 (Demand) 3 hrs. cr.
Latin American Cinema

A survey of the most important aspects of cinematography and cinematographic production in Latin America. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Special emphasis will be placed on the cultural context that made the reception and production of the motion pictures a significant event. The course is to be taught entirely in Spanish with readings in both Spanish and English. Prerequisite: Span 204 or equivalent level of proficiency.

Span 343 (Demand) 3 hrs. cr.
Hispanic Children's Literature

Children's literature in Spanish from the Hispanic world in all genres. Weekly lectures on the readings will focus on cultural idiomatic recognition as well as cultural behavioral conditions under which the texts were created. Taught in Spanish. Prerequisite: Span 204 or equivalent level of proficiency.

Span 345 (Demand) 1-8 hrs. cr.
Internship in Spanish

Off-campus work experience in areas related to professional goals of students. For advanced students in Spanish. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in Spanish with a minimum 3.0 g.p.a.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Span 350 (S, Even) 3 hrs. cr.
Latin American Contemporary Issues: The Others' Perspective

Current Latin American issues studied with the goal of developing consciousness about the last 30 years of Latin American reality from the perspective of the people. Taught in Spanish with some materials in English. The course will use written articles, the Internet and World Wide Web, the Latin American press, and movies. Prerequisite: Span 300.

Span 400 (Demand) 3 hrs. cr.
Hispanic Drama

Select works from Spain and Spanish America's most prominent playwrights. Readings and lectures with discussion on the socio-economic, political and cultural implications of different plays. Taught in Spanish. Prerequisite: Span 302.

Span 498 (Demand) 1-3 hrs. cr.
Special Topics in Spanish Language/Literature

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: As stated in the syllabus for the specific offering.

Span 499 (F, S) 1-3 hrs. cr.
Independent Study

Individually directed study in selected areas for advanced majors in Spanish. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and must have 15 hrs. in Spanish. The proposed study must be approved by instructor, adviser, department head and school dean prior to enrollment.

Other Languages (OL)

OL 298 (Demand) 1-5 hrs. cr.
Special Topics in Foreign Languages

Languages not currently a part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific target language will be structured with the objective of developing the speaking, understanding, reading and writing skills of the student in the target language. Each offering will have a syllabus stating specific requirements of the course as well as prerequisites.

OL 498 (Demand) 1-5 hrs. cr.
Advanced Topics in Foreign Languages

Advanced studies in foreign languages and literatures not currently part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific language will be structured with the objective of developing further the speaking, understanding, reading and writing skills of the student in the target language, as well as developing a further awareness of the literature of the specific language. Each offering will have a syllabus stipulating specific requirements of the course as well as prerequisites.

Translating (Tran)

Tran 300 (Demand) 3 hrs. cr.

Introduction to Professional Translating

An introduction to the general principles, procedures, theories, and tools of translating. Students will translate a wide variety of short texts into English. Some basic principles of linguistics will be covered. The language combinations possible will be determined by the availability of faculty at the time of preregistration for the course. Prerequisites: Excellent English language skills and completion of at least one foreign language course at the 300 level or the equivalent.

Geography (Minor)

Webster Hall 241, 625-9564

Faculty Miller - Head, Sale, Schmidt, Sinha

The minor in Geography emphasizes topical and regional studies as well as introduction to geographic techniques, such as Geographic Information System (GIS), and Remote Sensing (RS). Geography offers employment opportunities in education, regional/city planning, environmental studies, and the application of geotechniques. It also complements a program of study for students majoring in International Studies.

Though a major is not offered, sufficient hours are available to meet social studies teacher certification standards. Students may, with the supervision of a social science adviser, take a geography minor consisting of 21 semester hours.

Minor in Geography - 21 hours**Required Core (12 hours):**

	Semester Hours
Geog 211 Regions and Nations	3
Geol 201 Physical Geography*	3
Geog 310 Human and Cultural Geography	3
Geog 352 Introduction to GIS and Remote Sensing	3

12

Choose 6 hours from systematic geography:

Geog 311 Political Geography	3
Geog 322 Economic Geography	3

Geog 332 Historical Geography	3
Geog 457 Urban Geography	3
Geog 498 Seminar in Geography (human/cultural)	3

6

Choose 3 hours from advanced regional geography:

Geog 412 Geography and Culture of Latin America	3
Geog 422 Geography of the United States and Canada	3
Geog 462 Geography of Asia	3
Geog 498 Seminar in Geography (advanced regional geography)	3

3

21

*For course description, see under Geology.

Course Descriptions

Geog 211 (F, S) 3hrs. cr.

Regions and Nations

Survey of the peoples of the earth and how their activities are influenced by climate, topography and natural resources.

Geog 298 (Demand) 3 hrs. cr.

Topics in Geography

Special geography topics of current interest. Subjects and instructors are changed each semester. Students are encouraged to submit areas of interest to the social science department.

Geog 310 (F, S) 3hrs. cr.

Human and Cultural Geography

Study of the outcome of interaction between humankind and environment as expressed in the spatial organization of human activities, culture, and settlement patterns.

Geog 311 (S, Odd) 3hrs. cr.

Political Geography

Geographic factors which have influenced international relations and the policies of states as political units. Emphasis on geopolitics, religion, racial and ethnic groupings and other factors which may contribute to unity or disunity.

Geog 322 (F, Even) 3hrs. cr.

Economic Geography

World commodities and geographic factors which affect their production and make them significant to the world economy.

Geog 332 (S, Even) 3hrs. cr.

Historical Geography

Survey of evolving landscapes through time; analysis is made by means of systematic and regional geographic methodologies in order to reconstruct

the changing culture-nature equation.

Geog 352 (S, Odd) 3hrs. cr.

Introduction to GIS and Remote Sensing

An introduction to the basic concepts of map reading, Geographic Information System (GIS), and Remote Sensing (RS) as tools for spatial analyses and resource management.

Geog 412 (Demand) 3hrs. cr.

Geography and Culture of Latin America

Cultural and physical regions and natural resources of South America, Central America, and the Caribbean Islands. Special emphasis on current problems and relations with the United States.

Geog 422 (F, Even) 3hrs. cr.

Geography of the United States and Canada

Geographic analysis of the United States and Canada with emphasis on regional variations of social, economic, and physical phenomena.

Geog 457 (F, Odd) 3hrs. cr.

Urban Geography

Analysis of the characteristic pattern of urban space, spatial organization of urban settlement and urban societies.

Geog 462 (F, Odd) 3hrs. cr.

Geography of Asia

Systematic survey of the physical, cultural, economic, and political geography of monsoonal Asia, i.e., South, Southeast, and East Asia.

Geog 498 (Demand) 3hrs. cr.

Seminar in Geography (human/cultural)

Study and analysis of selected topics in human and cultural geography.

Geog 498 (Demand) 3hrs. cr.

Seminar in Geography (advanced regional geography)

Study and analysis of selected topics in advanced regional geography.

Geog 499 (Demand) 1-2-3 hrs. cr.

Independent Study

For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The individualized project will be directed by an instructor/adviser from the geography faculty in consultation with the student.

Geology

Reynolds Hall 210, 625-9376

Faculty Baiamonte - Head, Knapp

Geology, the study of the processes shaping planet earth, is of interest to civil engineers, environmental scientists, geographers, and biologists. Professionals find their background in geology useful for graduate studies, land-use planning, assessment of natural environmental hazards, resource development and waste disposal.

Geology 110 and Geology 320 constitute the basic foundation in geology necessary for more in-depth earth science courses. At Missouri Southern, geology courses are used to supplement other major areas of study and for state certification for teaching general science at the 7-12 grade levels.

Course Descriptions

Geol 110 (S, Odd) 5 hrs. cr.

Introduction to Geology

Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, two 2-hr. labs per week.

Geol 180 (F, Odd) 3 hrs. cr.

Introduction to Meteorology

Fundamentals of the circulation of the atmosphere, sequence of weather events. Includes interpretation of weather maps. Three lectures per week. Prerequisite: Physics 100 or equivalent.

Geol 201 (F, Even) 3 hrs. cr.

Physical Geography

Study of the physical or natural aspects of man's environment, with emphasis on land form development, oceanographic features, and climate. Students may not receive credit for both Geol 110 and Geol 201.

Geol 202 (F, Even) 1 hr. cr.

Map and Photo Interpretation

An introduction to the interpretation of topographic maps, aerial photos, and satellite images. One 3-hour laboratory per week. Designed to complement Geol 201. Prerequisite: Geol 201 or equivalent, may be taken concurrently. Students may not receive credit for both Geol 110 and Geol 202.

Geol 300 (S, Even) 4 hrs. cr.

Environmental Geology

An introduction of man's relationship to the earth's environment. The impact and mitigation of natural disasters, such as volcanoes, earthquakes, landslides, floods, subsidence are analyzed for various actual cases. Includes the effects of oil spills, surface mining, waste disposal, ground water contamination and other man-made geologic hazards. The limitations of natural resources and projections for future needs are considered in terms of man's demand on the environment. Prerequisite: Five credits in physical science, physics, and/or chemistry.

Geol 320 (S, Even) 4 hrs. cr.

Historical Geology

A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three hours of lecture and one 2-hr. lab per week. Prerequisites: Geol 110 (Bio 101 or equivalent recommended).

Geol 498 (Demand) 1-3 hrs. cr.

Studies in Geology

Topics vary. Seminar and/or field study for upper division students. Regular weekly meetings and/or field trips relating to topics of interest in the earth sciences. Extended field trips will require special lab fee. Prerequisites: Geol 320 and/or consent of the instructor.

Geol 499 (Demand) 1-3 hrs. cr.

Problems in Geology

Individual work under the supervision of a staff member with credit and hours to be arranged. Problems may be undertaken in any field of geology with adequate preparation and the consent of the supervising instructor. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of science, Geol 110 and a proven interest in geology.

History

Webster Hall 241, 625-9564

Faculty Miller - Chair, Cebula, Laas, Markman, Sale, Schmidt, Tannenbaum, Teverow

A bachelor of arts degree with a major in history prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A bachelor of science in education with a major in social studies - history emphasis - certifies a student to enter professional teaching at the secondary school level. A minor in history is available for students majoring in other disciplines. Also see page 112 for a social sciences minor or the social studies for secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by History 110 and History 120 or 320. History 130 or 140 may also be used to meet certain Core Curriculum requirements. History 110 or 120 is a prerequisite for all upper division U. S. history courses. History 320 substitutes for 120, but may not be used to fulfill upper division history requirements.

History 130 or 140 is a prerequisite for all upper division European, Asian, or Latin American history courses.

Hist 130 or 140 cannot be taken as a corequisite with any upper division European or Asian history course.

Bachelor of Arts with a Major in History

	Semester Hours
Core Requirements (p. 43) 51*	42
Computer Literacy Requirement - determined by Social Sciences Department	2-3
Foreign Language (four courses in one language)	12
History Requirements	34
Hist 110 U. S. History 1492-1877	3
Hist 120 U. S. History 1877-Present	3
OR	
Hist 320 U. S. History 1877-Present	3
Hist 130 Western Civilization to 1660	3
Hist 140 Western Civilization Since 1660	3
Hist 201 Introduction to Historical Research**	2
Hist 497 Seminar in Historical Research**	
OR	
Hist 496 (Internship)**	3
Hist Upper Division U.S.**	6
Hist Upper Division European or Asian or Latin American**	6
Hist Upper Division Electives**	6
Electives	37-38
	128***

*Required History courses satisfy Major requirements and 9 hours of Core Curriculum.

**See Prerequisites.

90 / History

***Must include at least 40 upper division (300-400 level) hours.

Bachelor of Science in Education with a Major in Social Studies

Grades 9-12 Certification
History Emphasis

Plan B

Single Teaching Field

Semester Hours
Core Requirements (p. 43) 51* 33
History Requirements 34

Hist 110	U.S. History 1492-1877	3
Hist 120	U.S. History 1877-Present	3
OR		
Hist 320	U.S. History 1877-Present	3
Hist 130	Western Civilization to 1660	3
Hist 140	Western Civilization Since 1660	3
Hist 201	Introduction to Historical Research**	2
Hist 497	Seminar in Historical Research**	2
OR		
Hist 496	(Internship)**	3
Hist	Upper Division U.S.**	6
Hist	Upper Division European	3
Hist	Upper Division Latin American	3
Hist	Upper Division Asian**	3
Hist	Upper Division Electives**	6

Supporting Requirements 21

PSc 120	Gov't: U.S./State/Local	3
PSc	Upper Division Elective	3
Soc 110	Introduction to Sociology	3
Soc	Upper Division Elective	3
Geog 211	Regions and Nations	3
Geog	Upper Division Elective	3
Econ 180	Amer Econ System	3

Education Certification Requirements

(p. 149) 39-40
Elective 1-2
128

*Required history, political science, sociology and economics courses satisfy major requirements and 18 hours of Core Curriculum.

**See Prerequisites

Minor in History

Hist 110	U.S. History 1492-1877	3
Hist 120	U.S. History 1877-Present	3
OR		
Hist 320	U.S. History 1877-Present	3

Hist 130	Western Civilization To 1660	3
OR		
Hist 140	Western Civilization Since 1660	3
Hist	Upper Division U.S. Elective*	3
Hist	Upper Division European or Asian or Latin American Elective**	6

*Must be chosen with approval of history adviser.

Minor in Social Studies for Secondary Education

See page 112.

Suggested Order of Study

Bachelor of Arts Major Code 2205 History Major

Freshman Year

1st Semester	Course	Hours
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1

2nd Semester

Hist 120	U.S. History 1877-Present*	3
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 Gen Biology]	4
CORE	[Comm 100 Oral Comm]	3

Sophomore Year

1st Semester		
Hist 130	Western Civilization to 1660	3
Foreign Language		3
CORE	[Eng Literature]	3
Hist 201	Introduction to Historical Research	2
Elective		3
CORE	[Econ 180 Amer Econ Sys]	3

2nd Semester		
Hist 140	Western Civ Since 1660	3
Foreign Language		3
CORE	[Soc 110 Intro to Sociology]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Computer Literacy course selected with adviser's approval]	3

Junior Year

1st Semester		
Hist	Upper Div U.S. (not 320)	3
CORE	[Humanities and Fine Arts]	3
CORE	[International Cultural Stu]	3
Foreign Language		3
Elective	[A minor is suggested]	3

2nd Semester

Hist	Upper Division U.S. (not 320)	3
Foreign Language		3
Electives	[A minor is suggested]	9

Senior Year

1st Semester		
Hist	Upper Div Eur or Asian or Latin American**	3
Hist	Upper Div Elective (not 320)	3
Electives	[A minor is suggested]	9

2nd Semester

Hist	Upper Div Eur or Asian or Latin American**	3
Hist	Upper Div Elective (not 320)	3
Hist 497	Seminar in Historical Research	2
OR		
Hist 496	Internship**	3
Electives	[A minor is suggested]	7

*Also meets a Core Curriculum requirement.
**See Prerequisites

[Department Recommendations]

For additional information contact:
Dr. Robert Markman
Office: Webster Hall 243
Phone: 625-9740

Bachelor of Science in Education

Major Code 0843

Social Studies Major**(Plan B) Single Teaching Field****Grades 9-12 Certification****History Emphasis****Freshman Year****1st Semester**

Course		Hours
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Math 110 Intro to Col Math]	3
Psy 120	College Orientation	1
Educ 100	Orientation to Education I	1
CORE	[Comm 100 Oral Comm]	3
		17

2nd Semester

Hist 120	U.S. History 1877-Present*	3
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
PSc 120	Gov't: U.S./State/Local*	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Activities]	1
Elective		3
		17

Sophomore Year**1st Semester***Take C-Base test.*

Hist 130	Western Civilization to 1660	3
Hist 201	Introduction to Historical Research	2
CORE	[Eng Literature]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Fund of Phys Sci]	5
Educ 200	Orientation to Education II	1
Psy 301	Adolescent Psychology	3
		19

2nd Semester*Apply for admission to Teacher Education.*

Hist 140	Western Civ 1660-Present	3
Geog 211	Regions and Nations	3
Soc 110	Intro to Sociology*	3
CORE	[Humanities and Fine Arts]	3
Psy 310	Educational Psychology	2
Educ 302	Exceptional Child	2
		16

Junior Year**1st Semester***Pass media competencies.*

Hist	Upper Div U.S. (not 320)	3
Econ 180	Amer Econ System	3
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 301	Use of Comp Sftwr in Clsrm	3
Educ 423	Classroom Management	2
		17

2nd Semester

Hist	Upper Div U.S. (not 320)	3
Hist	Upper Div Eur or Asian or Latin American**	3
Anth 342	Comparative Cultures	3
Hist	Upper Div Elective (not 320)	3
PSc	Upper Division Elective	3
		15

Senior Year**1st Semester***Apply for admission to student teaching. All course work must be completed except Professional Semester courses.*

Hist	Upper Div Elective (not 320)	3
Hist	Upper Div Eur or Asian or Latin American**	3
Hist 497	Seminar in Historical Research	3
OR		
Hist 496	Internship	3
Geog	Upper Division Elective	3
CORE	[Humanities and Fine Arts]	3
Educ 422	Rdng in Secondary School	2
		17

2nd Semester

Educ 334	Tchg Soc Sci in Sec Sch	2
Professional Semester		14
		16

See pages 146-159 for specific education department requirements.

*Also meets a Core Curriculum requirement.

** See prerequisites.

For additional information contact:

Dr. Richard B. Miller

Office: Webster Hall 245

Phone: 625-9564

Course Descriptions**U. S. History**

Hist 110 (F, S) 3 hrs. cr.

United States History 1492-1877

Survey of the United States from the era of discovery through reconstruction. Meets the Core Curriculum requirement for all majors. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 120 (F, S) 3 hrs. cr.

United States History 1877 to Present

Survey of the economic, social and political development of the United States from 1877 to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 201 (F) 2 hr. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand) 3 hrs. cr.

Topics in History

Special historical topics are examined. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 310 (Demand) 3 hrs. cr.

United States Social and Intellectual History

Ideas, values and institutions that have nurtured and influenced the United States during the great industrial expansion, and emergence as a technology leader to the dilemmas of the 1970's and 1980's. Prerequisite: Three hrs. of history or consent of instructor.

Hist 315 (Demand) 3 hrs. cr.

Economic History of the United States

Development of the American economy and its related institutions from the early national period to the present.

Hist 320 (Demand) 3 hrs. cr.

United States History 1877 to Present

Survey of the United States from Reconstruction to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Prerequisite: Hist 110.

Hist 325 (F, Odd) 3 hrs. cr.

The American Frontier

The westward expansion of the United States and its effects upon the social, political and economic institutions into the twentieth century.

Hist 330 (Demand) 3 hrs. cr.

History of the American Indian

Social, political, diplomatic, military and legal history of native American society.

Hist 335 (F, Even) 3 hrs. cr.

United States Foreign Relations to 1900

Diplomatic relations of the United States and the related development of its foreign policy from 1775 to 1900.

Hist 340 (S, Odd) 3 hrs. cr.

United States Foreign Relations Since 1900

An investigation of United States' diplomacy in the present-day world. Emphasizes the role of the United States in world affairs.

Hist 343 (F, Odd) 3 hrs. cr.

U.S. Cold War Foreign Relations, 1945 to Present

An investigation of United States diplomacy and the present-day world. Emphasizes the role of the United States in world affairs.

Hist 345 (Demand) 3 hrs. cr.
Age of Jefferson and Jackson
 Early political development in the United States. Evolution of the presidency over the first years of the new government, the triumph of Jeffersonian ideas, social trends and the rise of nationalism.

Hist 350 (S) 3 hrs. cr.
Civil War and Reconstruction
 Causes of the Civil War, slavery and reform movements before the Civil War. Traces the development of reconstruction and political developments of the era.

Hist 355 (F, Even) 3 hrs. cr.
The South
 Social, economic, political and intellectual history of the Southern United States concentrating on tracing the distinctive characteristics of the section and attempting to discover how a consciousness of the region's separateness evolved.

Hist 360 (Demand) 3 hrs. cr.
History of Missouri
 Missouri's growth from its early settlement to the present. Emphasis on political, economic, institutional and social development.

Hist 365 (Demand) 3 hrs. cr.
United States Colonial History
(Writing Intensive)
 Colonial development from 1492 to 1781. Early colonization and British imperial policy are emphasized along with social, cultural, political and economic growth. Includes the Revolutionary War period.

Hist 373 (F, Odd) 3 hrs. cr.
Women in U.S. History *(Writing Intensive)*
 A survey of the historical experience of American women from the colonial period to the modern era.

Hist 400 (Demand) 3 hrs. cr.
United States Military Experience 1775 to Present
 Major wars and other activities of the armed forces with emphasis on general military policy, strategy, tactics, organization and technology.

Hist 405 (Demand) 3 hrs. cr.
The United States 1870-1920
 United States at the turn of the century with the impact of the Industrial Revolution and its effect on social, political and economic institutions, the Progressive Movement and World War I.

Hist 410 (S, Even) 3 hrs. cr.
The United States Since 1920
 Impact of politics, diplomacy and economic trends of the United States since 1920.

Hist 496 3-8 hrs. cr.
Internship in History
 Practical, professional training in archival skills and museum management in an area historical museum, archival institution or historic site, under the supervision of a faculty member and a professional from the participating institution. No more than three hours may be counted toward a major or minor. Prerequisite: Junior standing or above and departmental approval.

Hist 497 (F) 3 hrs. cr.
Seminar in Historical Research
(Writing Intensive)
 Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S) 3 hrs. cr.
Special Topics in History
 Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S) 1-2-3 hrs. cr.
Independent Study
 Individualized project directed by the instructor/adviser with approval of department head and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required.

European History

Hist 130 or Hist 140 is a prerequisite for any upper level European History course.

Hist 130 (F, S) 3 hrs. cr.
Western Civilization to 1660
 Development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression and daily life in the ancient Near East, Greece, Rome and Christian Europe. May be used to meet the Core Curriculum requirement in Area 5.

Hist 140 (F, S) 3 hrs. cr.
Western Civilization Since 1660
 Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions and two world wars. May be used to meet the Core Curriculum requirement in Area 5.

Hist 201 (F) 2 hr. cr.
Introduction to Historical Research
 A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand) 3 hrs. cr.
Topics in History
 Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 369 (Demand) 3 hrs. cr.
Nineteenth Century Europe
 Major alterations of European society during this century. Emphasis on industrialization, imperialism, revolutions, rise of socialism/communism, middle-class liberal capitalism and individual national events.

Hist 370 (Demand) 3 hrs. cr.
Twentieth Century Europe
 A survey approach with emphasis on World Wars I and II, the League of Nations, the United Nations, totalitarian systems and current European/world problems.

Hist 371 (Demand) 3 hrs. cr.
The Holocaust
 An examination of the destruction of the European Jews from 1933 to 1945, with special attention to the social, political, and scientific context of the Holocaust. Special attention to European antisemitism, the rise of German Nazism, the development of a policy of mass murder, and the operation of ghettos and death camps.

Hist 375 (F, Even) 3 hrs. cr.
English History to 1660 *(Writing Intensive)*
 The peoples of England and their institutions from prehistoric settlement through the English civil wars. Major topics include the impact of Anglo-Saxon and Norman invasions, the changing roles of monarchy and of parliament, and life among various social classes.

Hist 380 (S, Odd) 3 hrs. cr.
English History Since 1660
 English people and institutions from the restoration of Charles II to the present. Concentration on the emergence of modern Parliamentary democracy, the industrial revolution, the Empire and current position of England in world affairs.

Hist 387 (F, Odd) 3 hrs. cr.
History of Russia to 1796 *(Writing Intensive)*
 History of Russia from pre-Tsarist times through the reign of Peter the Great. Emphasis on the land and the people, national characteristics and political institutions.

Hist 388 (S, Even) 3 hrs. cr.
History of Russia Since 1796
 Russia since the reign of Catherine the Great until the recent demise of the Soviet Union. Investigates the problems posed by Tsarist Autocracy and Serfdom, the origins and course of the Bolshevik Revolution, Russian life under communism, and the structural weaknesses and events contributing to the collapse of the Soviet Union.

Hist 390 (Demand) 3 hrs. cr.

History of Germany

Social, political, military and economic history of Germany, with major concentration on the post 1519 period. Emphasis on the decline of the Medieval Empire, princely absolutism, national unification, Weimar Republic, Third Reich and post World War II.

Hist 420 (F, Odd) 3 hrs. cr.

Medieval History

Europe from the end of the Roman Empire to c. 1350. Emphasis on the emergence of the Papacy, manorialism and feudalism, the development of cities and an urban economy, and on intellectual life and artistic expression.

Hist 425 (S, Even) 3 hrs. cr.

The Renaissance and the Reformation 1350-1559

An overview of Europe from 1350 to 1559. Changes in thought and artistic expression, the divisions within Western Christendom, the emergence of national monarchies, and the impact of economic change on daily life.

Hist 435 (F, Even) 3 hrs. cr.

The Era of the French Revolution and Napoleon

An examination and analysis of events in France and their impact on Europe from 1789 to 1815. Interplay of ideas and people and the quest for a political settlement under a constitutional monarchy, republic and empire.

Hist 440 (S, Even) 3 hrs. cr.

European Intellectual History

Intellectual, cultural and social developments in Europe from the Italian Renaissance to the present. Examination of the rise of scientific thought, the Enlightenment, Romanticism, nationalism, political ideologies, social reforms and existentialism.

Hist 497 (F) 3 hrs. cr.

Seminar in Historical Research (Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and student. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S) 3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S) 1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/adviser with approval of the department head and the school dean prior to enrollment. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Asian History

History 130 or 140 is a prerequisite for any upper level Asian History course.

Hist 201 (F) 2 hr. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140

Hist 298 (Demand) 3 hrs. cr.

Topics in History

Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 415 (Demand) 3 hrs. cr.

History of China

Survey of Chinese history from ancient through modern periods. Emphasis on Chinese society, political developments, and relations with the West and Japan in the nineteenth and twentieth centuries.

Hist 430 (Demand) 3 hrs. cr.

History of Japan

Survey of Japanese history from ancient through modern periods. Emphasis on Japanese society, political developments, and relations with the West since the middle of the nineteenth century. Attention is given to Japan's rapid economic development since the 1860s and its rise as a world power.

Hist 455 (F, Even) 3 hrs. cr.

Traditional South Asia

Survey of traditional South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the Harappan Culture through the Mughal period. Course emphasizes developments in South Asian culture, society, and politics, particularly the development of religions, such as Hinduism, Buddhism, Jainism, Islam, and Sikhism, as well as the evolution of South Asian politics.

Hist 458 (S, Odd) 3 hrs. cr.

Modern South Asia

Survey of modern South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the collapse of the Mughal empire through the present. Course emphasizes developments in South Asian culture, society, and politics, particularly the impact of European imperialism, the rise of Indian nationalism, Indian independence, and post-independence foreign and domestic politics.

Hist 497 (F) 3 hrs. cr.

Seminar in Historical Research (Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S) 3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S) 1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Global History

Hist 341 (F) 3 hrs. cr.

Problems in Recent Diplomatic History

Selected issues in recent global history from the perspective of a United Nations member state. Each student will investigate one issue, share the results of the research with the class and in a paper explain the historical background of the selected nation's position on the issue. Both the nation and topics studied will be determined by MSSC's participation in the Midwest Model United Nations and similar conferences. Although the course is a prerequisite for delegates to these conferences, enrollment is not limited to Model UN participants. May be repeated up to 9 hrs.

Hist 497 (F) 3 hrs. cr.

Seminar in Historical Research (Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Latin American History

Hist 474 (Demand) 3 hrs. cr.

Colonial Latin America

Colonial Latin America will provide a historical overview of Latin American from the Spanish and Portuguese conquest until independence in the 1820s, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background to Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, imperial rivalries, Spanish administration, Indian labor, and the independence movements of the 19th century.

Hist 475 (Demand) 3 hrs. cr.

Modern Latin America

Historical overview of Latin America since independence, examining major themes, events, and issues in the region. Particular emphasis on ways in which Latin American peoples have struggled to resist, adapt, and take advantage of the social forces influencing their nations' urbanization, populism, social revolution, development, peasant rebellion, the position of women in society, and the Church.

Hist 497 (F) 3 hrs. cr.

Seminar in Historical Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S) 3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S) 1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Mathematics

Reynolds Hall 210, 625-9376

Faculty Vazquez - Head, Adkins, Cassens, Curtis, Elick, Hand, Harmon, Livingston, Martin, Mulkey, Thuong, Weaver, Wolfe

In an increasingly technological society, applications of mathematics continue to increase in variety. Persons with quantitative ability and training are in high demand. Career opportunities exist in a diversity of fields such as engineering, computer science, economics, statistics, operations research, management and education. Missouri Southern graduates are enjoying success in all of these areas. Some graduates choose to begin careers immediately upon graduation; others choose to continue their education in graduate school. The curriculum is designed to prepare students for either path. The computational mathematics option allows a student to obtain a double major in mathematics and computer science.

For the student wishing to prepare for a career in engineering, the mathematics department and the physical science department have worked in close cooperation with the staff at the University of Missouri-Rolla to develop a "Model Program for Engineering Transfers." Students may obtain a copy of this pamphlet from the department head. The program consists basically of two years at Missouri Southern and two years at Rolla. Naturally, time spent at either institution varies depending on the student's individual rate of progress.

Core Curriculum requirements for the bachelor's and the associate of arts degree can be met with any mathematics course numbered 110 or above. Note the limitations on Math 111 in the course descriptions.

Core Curriculum requirements for the associate of science degree can be met with any mathematics course numbered 030 or above.

For students majoring in mathematics or mathematics education only courses in which they have earned a grade of "C" or above can be used to satisfy departmental mathematics requirements.

Bachelor of Science with a Major in Mathematics

		Semester Hours
Core Requirements (p. 43) 51*		43
Mathematics Requirements		39
Math 150	Calculus with Analytic Geometry I**	5
Math 250	Calculus with Analytic Geometry II**	5
Math 260	Calculus with Analytic Geometry III**	5
Math 300	Fundamentals of Mathematical Thought**	3
Math 342	Abstract Algebra**	
OR		
Math 351	Linear Algebra**	3
Math	Electives numbered above 320***	18
Supporting Requirements		16
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Chem 101	General Chemistry I	5
Comp 110 (or above)		3
Electives		30
TOTAL		128***

*Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Must include one from Math 350, 371, 431, 452 to satisfy computer literacy requirement.

****Must include at least 40 upper division (300 - 400 level) hours.

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics.

Bachelor of Science with a Major in Mathematics

Computational Mathematics Option*

		Semester Hours
Core Requirements (p. 43) 51**		43
Mathematics Requirements		33
Math 150	Calculus with Analytic Geometry I***	5
Math 250	Calculus with Analytic Geometry II***	5
Math 260	Calculus with Analytic Geometry III***	5
Math 300	Fundamentals of Mathematical Thought***	3

Math 350	Introduction to Numerical Analysis***	
OR		
Math 431	Numerical Analysis***	3
Math 351	Linear Algebra***	3
Math 371	Introduction to Operations Research (WI)***	3
Math	Electives numbered above 320***	6
CIS Core		33
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 234	Business Data Processing Techniques (COBOL)	3
CIS 335	Object Oriented Program	3
CIS 345	Computer Networks	3
CIS 350	Data Structures	3
CIS 360	Computer Graphics	3
CIS 425	Database Management Systems (WI)	3
CIS 430	Introduction to Artificial Intelligence	3
CIS 450	Operating Systems (WI)	3
CIS	Electives numbered above 305	3
Supporting Requirements		13
Physics and/or chemistry electives must include at least one course from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, and Phys 300)		
Electives		6
Total		128

*This program is the same as the bachelor of science in CIS, computer science (Option 2). See page 168. Students selecting this option will graduate with a double major, mathematics and computer information science.

**Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the Core Curriculum.

***See Prerequisites

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics.

Bachelor of Science in Education with a Major in Mathematics

Grades 9-12 Certification

Plan A One of Two Teaching Fields

		Semester Hours
Core Requirements (p. 43)	51*	45
Mathematics Requirements		30
Math 150	Calculus with Analytic Geometry I**	5
Math 250	Calculus with Analytic Geometry II**	5
Math 260	Calculus with Analytic Geometry III**	5
Math 300	Fundamentals of Mathematical Thought**	3
Math 332	Geometry**	3
Math 342	Abstract Algebra**	3
Math 351	Linear Algebra**	3
Math 361	Probability & Statistics**	3
Supporting Requirements		3
Comp 110	(or above, substitutes for Educ 301)	3
Education Certification Requirements (p. 149)		39-40
Second teaching field (some fields exceed 30 hours)		30
TOTAL		147-148****

*Required courses in mathematics and psychology satisfy major requirements and 6 hours of the Core Curriculum.

**See Prerequisites

***Must include one from Math 350, 371, 431, 452 to satisfy computer literacy requirement.

****(varies with second field)

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics education.

Bachelor of Science in Education with a Major in Mathematics

Grades 9-12 Certification

Plan B Single Teaching Field

		Semester Hours
Core Requirements (p. 43)	51*	40
Mathematics Requirements		33
Math 150	Calculus with Analytic Geometry I**	5
Math 250	Calculus with Analytic Geometry II**	5
Math 260	Calculus with Analytic Geometry III**	5
Math 300	Fundamentals of Mathematical Thought**	3
Math 332	Geometry**	3
Math 342	Abstract Algebra**	3
Math 351	Linear Algebra**	3
Math 361	Probability and Statistics I**	3
Math	Electives numbered above 320***	3
Supporting Requirements		16
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Chem 101	General Chemistry I	5
Comp 110	(or above)	3
Education Certification Requirements (p. 149)		43
TOTAL		132

*Required courses in mathematics, chemistry, physics and psychology satisfy major requirements and 11 hours of the Core Curriculum.

**See Prerequisites

***Must include one from Math 350, 371, 431, 452 to satisfy computer literacy requirement.

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics education.

Minor in Mathematics

	Semester Hours
Math 150	Calculus with Analytic Geometry I 5
Math 250	Calculus with Analytic Geometry II 5
Math	Electives numbered above 250* 11

21

*At least 6 hours upper division (excluding Math 302).

Suggested Order of Study

Bachelor of Science

Major Code 1701

Mathematics

Freshman Year

1st Semester		Hours
Course		
Math 150	Calc w/Anal Geo I	5
Chem 101	General Chemistry I	5
CORE	[Eng 101 Comp I (WI)]	3
CORE	[Area 2 Elective]	3
Psy 120	College Orientation	1
		17

2nd Semester

Math 250	Calc w/Anal Geo II	5
CORE	[Eng 102 Comp II (WI)]	3
Phys 160	General Physics I	3
Comp 110	Programming I	3
CORE	[Comm 100 Oral Comm]	3
		17

Sophomore Year

1st Semester		Hours
Math 260	Calc w/Anal Geo III	5
CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 103 Lifetime Wellness]	2
Phys 270	General Physics II	5
		18

2nd Semester

Math 300	Fund of Math Thought	3
Math	Elective [322]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Area 2 Elective]	3
CORE	[Hist 120 or 320 U.S. Hist]	3
		15

Junior Year

1st Semester		Hours
Math	Electives**	6
CORE	[Area 2 Elective]	3
Elective		3
CORE	[Psc 120 Govt US/Sta/Loc]	3
		15

2nd Semester

Math	Electives**	6
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Physical Activity]	1
CORE	[Area 5 Elective]	3
Elective		3
		17

Senior Year

1st Semester		Hours
Math	Electives**	6
Electives		9
		15

2nd Semester

Math	Electives**	6
Electives		9
		15

**Electives must be approved by math adviser.

[Department Recommendations]

For additional information contact:

Juan Vazquez, Department Head

Office: Reynolds Hall 212

Phone: 625-9540

Bachelor of Science

Major Code 1702

Computational Mathematics Option

Freshman Year

1st Semester		Hours
Course		
Comp 110	Programming I	3
Math 150	Calc w/Anal Geo I	5
CORE	[Eng 101 Comp I (WI)]	3
Chem 101	General Chemistry I	5
Psy 120	College Orientation	1
		17

2nd Semester

Comp 210	Programming II	3
Math 250	Calc W/Anal Geo II	5
CORE	[Eng 102 Comp II (WI)]	3
Phys 151	Elem Col Phys I	5
CORE	[Kine 101 Physical Activity]	1
		17

Sophomore Year

1st Semester		Hours
Comp 234	Bus DP Tech (COBOL)	3
CIS 335	Object Oriented Program	3
Math 260	Calc w/Anal Geo III	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110 U.S. History]	3
		17

2nd Semester

CIS 345	Computer Networks	3
CIS 350	Data Structures	3
Math 300	Fund of Math Thought	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Area 2 Elective]	3
		17

Junior Year

1st Semester		Hours
CIS 430	Intro to Artif Intell	3
Math 371	Intro Ops Research (WI)	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 or 320 U.S. Hist]	3
CORE	[Area 2 Elective]	3
		16

2nd Semester

CIS 425	Database Mgmt Systems (WI)	3
Math 350	Intro to Num Analysis	3
Math	Elective**	3
CORE	[Area 5 Elective]	3
CORE	[Psc 120 Govt US/Sta/Loc]	3
		15

Senior Year

1st Semester

CIS 450	Operating Sys (WI)	3
Math 351	Linear Algebra	3
Chem/Phys	Elective*	3
CORE	[Econ 180 Amer Econ Sys]	3
Elective		3
		15

2nd Semester

CIS 360	Computer Graphics	3
CIS	Elective	3
Math	Elective**	3
CORE	[Area 2 Elective]	3
Elective		3
		15

*See requirements and exclusions on page 95.

**Electives must be approved by math adviser.

[Department Recommendations]

For additional information contact:

Juan Vazquez, Department Head

Office: Reynolds Hall 212

Phone: 625-9540

Bachelor of Science in Education

Major Code 0833

Mathematics Major

Grades 9-12 Certification

(Plan B) Single Teaching Field

Freshman Year

1st Semester		Hours
Course		
Math 150	Calc w/Anal Geo I	5
CORE	[Eng 101 Comp I (WI)]	3
Psy 100	General Psychology	3
CORE	[Kine 103 Lifetime Wellness]	2
Educ 100	Orientation to Educ I	1
Psy 120	College Orientation	1
		15

2nd Semester

Math 250	Calc w/Anal Geo II	5
Chem 101	General Chemistry I*	5
CORE	[Eng 102 Comp II (WI)]	3
Comp 110	Programming I	3
CORE	[Kine 101 Physical Activity]	1
		17

Sophomore Year

1st Semester

Take C-Base Test.

Math 260	Calc w/Anal Geo III	5
Phys 160	General Physics I	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 2 Elective]	3
Educ 200	Orientation to Educ II	1
		15

2nd Semester

Apply for admission to Teacher Education.

Math 300	Fund of Math Thought	3
CORE	[Bio 101 General Biology]	4
Psy 301	Adolescent Psychology	3
CORE	[Hist 110 U.S. History]	3
Phys 270	General Physics II	5
		18

Junior Year

1st Semester

Pass media competencies.

Math 332	Geometry	3
OR		
Math 361	Prob. & Statistics I	3
Math 342	Abstract Algebra	3
OR		
Math 351	Linear Algebra	3
Educ 329	Ped Theo, Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
CORE	[Hist 120 or 320 U.S. Hist]	3
		17

2nd Semester

Math	Electives**	3
CORE	[PSc 120 Gov't US/Sta/Loc]	3
Psy 310	Educational Psychology	2
Psy 302	Exceptional Child	2
CORE	[Area 2 Elective]	3
CORE	[Area 2 Elective]	3
		16

Senior Year

1st Semester

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Math 332	Geometry	3
OR		
Math 361	Prob. & Statistics I	3
Math 342	Abstract Algebra	3
OR		
Math 351	Linear Algebra	3
CORE	[Area 5 Elective]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 422	Reading in the Sec School	2
Educ 301	Use of Comp Software in the classroom	3
		17

2nd Semester

Educ 339	Teaching Math in Sec Schools	3
Educ 402	Foundations of Education	2
Educ 432	Critical Issues	2
Educ 412	Individual Curriculum Dev (2)	2
OR		
Psy 412	Meas & Eval	2
Educ 462	Student Teaching	8
		17

**Electives must be approved by math adviser.

[Department Recommendations]

For additional information contact:
Juan Vazquez, Department Head
Office: Reynolds Hall 212
Phone: 625-9540

Course Descriptions

Math 020 (F, S) 3 hrs. cr.

Beginning Algebra

Operations on signed numbers, linear equations and inequalities, systems of linear equations, polynomial arithmetic. No credit towards baccalaureate degree.

Math 030 (F, S) 3 hrs. cr.

Intermediate Algebra

Factoring, operations on polynomials, radicals, quadratic equations. Prerequisite: One year of high school algebra and a score of 16 or above on the ACT Mathematics Section or Math 020 with a grade of "C" or better. No credit towards baccalaureate degree.

Math 110 (F, S) 3 hrs. cr.

Introduction to College Mathematics

Basic college mathematics with an introduction to various areas of mathematics such as linear programming, set theory, probability and statistics and geometry. Satisfies the requirement in mathematics for the Core Curriculum. Prerequisite: One year of high school algebra and a score of 16 or above on the ACT Mathematics Section or Math 020 with a grade of "C" or better.

Math 111 (F, S) 3 hrs. cr.

Math for Elementary Teachers I

The real number system and its subsystems, relations and functions, numeration systems. Prerequisite: One year of high school algebra and a score of 16 or above on the ACT Mathematics Section or Math 020 with a grade of "C" or better. (Will not meet the Core Curriculum mathematics requirement for nonelementary education majors.)

Math 112 (Demand) 3 hrs. cr.

Trigonometry

Trigonometric functions, inverses and their graphs; trigonometric identities and equations; solution of the general triangle; complex numbers. Prerequisite: Two units of high school algebra, one unit high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 120 (F, S) 3 hrs. cr.

Math for Elementary Teachers II

A continuation of Math 111. Sets of points, metric and non-metric geometry, probability. Recommended for prospective elementary teachers. Prerequisite: Math 111 with a grade of "C" or better or permission of department.

Math 130 (F, S) 3 hrs. cr.

College Algebra

Functions and their graphs; polynomial, rational, exponential and logarithmic functions; systems of equations; the binomial theorem. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 131 (F, S) 3 hrs. cr.

Finite Mathematics

Finite mathematics with algebra that is designed for business, social science and computer science students. Set theory, functions, matrices, linear programming, probability and statistics, with applications. Prerequisite: Two units of high school algebra and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better.

Math 140 (F, S) 5 hrs. cr.

Algebra and Trigonometry

Equivalent of Math 112 and Math 130. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better. Only two hours credit for students with Math 112 or Math 130 credit.

Math 150 (F, S) 5 hrs. cr.

Calculus with Analytic Geometry I

Differentiation and integration of algebraic functions and plane analytic geometry using vectors. Prerequisite: Math 140 with a grade of "C" or better or four units of high school mathematics and a satisfactory score on the Mathematics Placement Test.

Math 250 (F, S) 5 hrs. cr.

Calculus with Analytic Geometry II

Differentiation and integration of transcendental functions and trigonometric functions, polar coordinates, theory of limits and continuity, parametric equations. Applications to physical problems. Prerequisite: Math 150 with a grade of "C" or better.

Math 260 (F, S) 5 hrs. cr.

Calculus with Analytic Geometry III

Solid analytic geometry, indeterminate forms, infinite series, partial differentiation and multiple integrals. Prerequisite: Math 250 with a grade of "C" or better.

Math 300 (S) 3 hrs. cr

Fundamentals of Mathematical Thought

Introduction to modern algebra, analysis and proofs; sets, logic, predicate calculus, relations, functions, logical development of number systems, cardinality and divisibility. Prerequisite or corequisite: Math 260 with a grade of "C" or better.

Math 302 (Demand) 3 hrs. cr.

Calculus for the Management and Social Sciences

Calculus applications of differentiation and integration in business and social sciences. Prerequisite: Math 130 or Math 131 with a grade of "C" or better or two years high school algebra and satisfactory score on the Mathematics Placement Test. Will not count toward a major or minor in mathematics.

98 / *Mathematics, Music*

Math 310 (Demand) 3 hrs. cr.

Elementary Statistics

Provides a basic statistical background for the various majors for advanced study in their specialties. Topics include data reduction, measures of central tendency, linear regression, correlation and hypothesis testing, with applications to social, managerial, biological and physical sciences. Satisfies the Core Curriculum requirements in mathematics. Prerequisite: Two years high school algebra or Math 130 with a grade of "C" or better. Will not count toward a major in mathematics.

Math 312 3 hrs. cr.

Problems of Teaching Arithmetic in the Elementary Schools

(See Educ 312 for description.) Will not count toward a major in mathematics.

Math 322 (S) 3 hrs. cr.

Differential Equations

Ordinary differential equations of first and second order, linear equations with constant coefficients, Laplace transforms, power series solutions, numerical solutions, with applications. Prerequisite: Math 260 with a grade of "C" or better.

Math 332 (F, Even) 3 hrs. cr.

Geometry

Geometric theory from a modern axiomatic viewpoint. Includes an introduction to finite, projective, Euclidean and non-Euclidean geometries. Prerequisite: Math 250 with a grade of "C" or better.

Math 339 (S) 3 hrs. cr.

Teaching Mathematics in Secondary Schools

Introduction to the instructional planning, materials and methods of teaching mathematics in the secondary schools. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics.

Math 342 (F, Odd) 3 hrs. cr.

Abstract Algebra

Number theory, equivalence and congruence, theory of groups, rings, ideals, integral domains and fields. Prerequisite: Math 300 with a grade of "C" or better.

Math 350 (S, Odd) 3 hrs. cr.

Introduction to Numerical Analysis

Error analysis, solution of polynomial and transcendental equations, collocation polynomials, matrix methods, numerical differentiation and integration. Prerequisite: Math 250 and Comp 110 or higher with a grade of "C" or better.

Math 351 (F, Even) 3 hrs. cr.

Linear Algebra

Algebra of linear equations and matrices, vector spaces, linear mappings and transformations, determinants, bilinear and quadratic forms, linear functionals, vector inner products and cross products. Prerequisite: Math 300 with a grade of "C" or better.

Math 361 (F) 3 hrs. cr.

Probability and Statistics I

Theory of probability using concepts and methods of calculus. A study of discrete and continuous distributions. The central limit theorem. Prerequisite: Math 260 with a grade of "C" or better.

Math 371 (F, Odd) 3 hrs. cr.

Introduction to Operations Research

(Writing Intensive)

Operations research/management science for computer science and mathematics students. Includes linear programming, project scheduling, Markov chains, queueing theory. Prerequisite: Math 260 with a grade of "C" or better and computer programming ability.

Math 421 (S, Odd) 3 hrs. cr.

Introduction to Advanced Calculus

Methods of real analysis, basic topology of real numbers, sequences and series, the derivative and the Riemann integral. Prerequisite: Math 300 with a grade of "C" or better.

Math 431 (S, Even) 3 hrs. cr.

Numerical Analysis

Fundamental numerical analysis theorems. Error Analysis, data approximation techniques, difference calculus, numerical solution of differential equations. Prerequisite: Math 322 and Comp 110 or higher with a grade of "C" or better.

Math 452 (S, Odd) 3 hrs. cr.

Mathematical Models

(Writing Intensive)

Applying mathematics in formulating and analyzing models for real world problems. Topics include game theory, graph models, deterministic and stochastic models and computer simulation. Prerequisite: Math 260 and Comp 110 or higher with a grade of "C" or better.

Math 462 (S, Even) 3 hrs. cr.

Probability and Statistics II

Distributions of discrete and continuous random variables, sampling distributions and estimation of parameters. Investigation of the techniques of hypothesis testing, correlation and regression. Prerequisite: Math 361 with a grade of "C" or better.

Math 498 (Demand) 1-3 hrs. cr.

Seminar in Mathematics

For upper division math or related majors. Regular meeting times per week are equal to the number of credit hrs. determined by the department for a given semester. Gives both broad and specialized knowledge of the discipline. Prerequisite: Advanced standing in major field and consent of department head.

Math 499 (Demand) 1-3 hrs. cr.

Independent Study

Course structured by the adviser with approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a grade point average of 3.0. Students must make application several weeks in advance. Registration must be approved by the adviser, department head and school dean. See department head for details.

Music

Music Building 214, 625-9318

Faculty Havelly - Head, Carnine, Clark, Elliott, Jones, Liu, Meeks, Smith, Thelen, Wise

The department of music offers a bachelor of arts degree and a bachelor of science in education degree with a major in music. Each degree prepares graduates for performance, studio teaching, and/or continued study toward an advanced degree. In addition, the bachelor of science in education degree prepares graduates for teaching in public education.

Core Curriculum requirements for one course in Area 2, Humanities and Fine Arts, are fulfilled by Mus 110 Music Appreciation.

Bachelor of Arts with a Major in Music

	Semester Hours
Core Requirements (p. 43)	51
Computer Literacy Requirement - determined by music department	2-3
Foreign Language (four courses in one language)	12
Music Requirements	67
Mus 109 Sight Singing	2
Mus 111 Music Theory	4
Mus 112 Music Theory*	4
Mus 182 Conducting Techniques*	2
Mus 211 Music Theory*	3
Mus 212 Music Theory*	3
Mus 240 Recital Attendance (8 semesters)	Cr.
Mus 311 History of Music*	3
Mus 312 History of Music*	3
Mus 420 Form and Analysis*	3
Mus 433 Instr & Vocal Arranging*	4
Mus 443 Advanced Choral Conducting*	2
Mus 444 Advanced Instrumental Conducting*	2
Mus 450 Senior Recital*	Cr.
Large Music Ensemble (8 semesters)***	8
Private study in one area (8 semesters)	16
Applied keyboard elective (Except keyboard majors)	8

(Keyboard majors must take 8 semester hours of music electives in lieu of the applied keyboard elective.) **132-133****

*See Prerequisites

**Must include at least 40 upper division (300 - 400 level) hours.

***Must be taken the last eight semesters of residency.

Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification

Plan B Single Teaching Field
Option 1 Instrumental Emphasis

	Semester Hours
Core Requirements (p. 43) 51*	48
Music Requirements	66
Mus 111 Music Theory	4
Mus 112 Music Theory**	4
Mus 182 Conducting Techniques**	2
Mus 211 Music Theory**	3
Mus 212 Music Theory**	3
Mus 231 String Techniques	1
Mus 232 Brass Techniques	2
Mus 233 Percussion Techniques (Not open to percussion majors. Percussion majors must substitute a 2nd se- mester of Mus 232 or 234.)	1
Mus 234 Woodwind Techniques	2
Mus 240 Recital Attendance (7 semesters)	Cr.
Mus 311 History of Music**	3
Mus 312 History of Music**	3
Mus 333 Music for the Elementary Grades***	2
Mus 411 Marching Band Methods**	2
Mus 413 Instrumental Music Methods	2
Mus 420 Form and Analysis**	3
Mus 433 Inst. & Vocal Arranging**	4
Mus 444 Advanced Instrumental Conducting**	2
Mus 450 Senior Recital**	Cr.
Mus Piano/Wind Instrument****	2

****(a) Instrumental major, other than piano: two semester hours of piano study or the equivalent (Class piano may be included).
(b) Keyboard major: two semester hours of private study on a wind instrument or the equivalent.

Private study as a major in one area (7 semesters) 14
Large Ensemble (7 semesters)***** 7
Brass, woodwind or percussion major: the seven semesters of large ensemble must be in band.
String Major: the seven semesters of large ensemble must be in orchestra.
Education Certification Requirements (p. 149) **40-41**
154-155

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

**See Prerequisites

***Must be completed prior to the Professional Semester of supervised teaching.

*****Must be taken the seven semesters immediately prior to the student teaching semester.

Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification

Plan B Single Teaching Field
Option II Vocal Emphasis

	Semester Hours
Core Requirements (p. 43) 51*	48
Music Requirements	66
Mus 109 Sight Singing	2
Mus 111 Music Theory	4
Mus 112 Music Theory**	4
Mus 182 Conducting Techniques**	2
Mus 211 Music Theory**	3
Mus 212 Music Theory**	3
Mus 240 Recital Attendance (7 semesters)	Cr.
Mus 309 Choral Techniques	2
Mus 311 History of Music**	3
Mus 312 History of Music**	3
Mus 333 Music for the Elementary Grades***	2
Mus 409 Choral Literature	2
Mus 420 Form and Analysis**	3
Mus 433 Inst. & Vocal Arranging**	4
Mus 443 Advanced Choral Conducting*	2
Mus 450 Senior Recital**	Cr.
Mus Piano/Voice****	6

****(a) Keyboard Major: six semester hours of private voice study or the equivalent.

(b) Voice Major: six semester hours of piano study or the equivalent (two semesters of private study following the satisfactory completion of four semesters of Mus 113).

Private study as a major in one area (7 semesters) 14
Concert Chorale (7 semesters)***** 7
Education Certification Requirements (p. 149) **40-41**
154-155

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

**See Prerequisites

***Must be completed prior to the Professional Semester of supervised teaching.

*****Must be taken the seven semesters immediately prior to the student teaching semester.

Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification

Plan B Single Teaching Field
Option III Double Certification

	Semester Hours
Core Requirements (p. 43) 51*	48
Music Requirements	85

All of the requirements listed for Option I and Option II, either (a) or (b), with the exception of the applied major requirement. 86

Private study as an applied major in one primary area (7 semesters) 14

Private study as an applied elective in one secondary area (4 semesters) 8

A proficiency test in the secondary major area must be passed before graduation.

A senior recital will be required only in the primary applied area.

Education Certification Requirements (p. 149) **40-41**
173-174

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

Minor in Music

	Semester Hours
Mus 111 Music Theory	4
Mus 112 Music Theory	4
Large Ensemble	4
Applied Music Elective (2 Semesters)	2
Music Electives*	7
	21

*Must be made with prior approval of music adviser, 6 must be upper division.

Suggested Order of Study**Bachelor of Arts**

Major Code 1005

Music Major**Freshman Year**

Course	Hours
Mus 109 Sight Singing	2
Mus 111 Music Theory	4
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	1
CORE [Eng 101 Comp II]	3
CORE [Mus 110 Music Apprec]	3
Psy 120 College Orientation	1
	17-18

2nd Semester

Mus 112 Music Theory	4
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	1
CORE [Eng 102 Comp II]	3
CORE [Math 110 Intro to Col Math]	3
	14-15

Sophomore Year

Course	Hours
Mus 211 Music Theory	3
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	1
CORE [Kine 103 Lifetime Wellness]	2
CORE [Kine 101 Physical Activity]	1
CORE [Hist 110 U.S. History]	3
CORE [Econ 180 Amer Econ Sys]	3
	16-17

2nd Semester

Mus 182 Conducting Tech	2
Mus 212 Music Theory	3
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	2
CORE [Hist 120 U.S. History]	3
CORE [Bio 101 General Biology]	4
CORE [Psy 100 Gen Psychology]	3
	20-21

Junior Year**1st Semester**

Mus 420 Form, Analysis	3
Mus Applied Music Major	2
Mus 444 Adv Instru Conducting	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	1
CORE [Comm 100 Oral Comm]	3
Foreign Language	3
	15-16

2nd Semester

Mus 443 Adv Choral Conducting	2
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	1
CORE [Art 110 or Th 110]	3
Foreign Language	3
CORE [Eng 281 or 282 Lit]	3
	15-16

Senior Year**1st Semester**

Mus 311 History of Music	3
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus App Piano or Mus Elective	1-2
Mus Large Ensemble	1
CORE [Phys 100 Fund of Phys Sci]	5
Foreign Language	3
Mus 433 Arranging	4
	19-20

2nd Semester

Mus 312 History of Music	3
Mus Applied Music Major	2
Mus 240 Recital Attendance	Cr
Mus 450 Senior Recital	Cr
Mus Large Ensemble	1
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
Educ 301 Use of Comp Software in Class (or computer course approved by music dept.)	3
CORE [Anth 342 Compar Cultures]	3
Foreign Language	3
	18

[Department Recommendations]

Bachelor of Science in Education

Major Code 0855

Music Major

(Plan B) Single Teaching Field
Grades Pre K-12 Certification
Keyboard Major with Vocal Emphasis

Freshman Year**1st Semester**

Course	Hours
Mus 109 Sight Singing	2
Mus 111 Music Theory	4
Mus 227 Applied Music-Major Piano	1
Mus 121 Concert Chorale	1
Mus 240 Recital Attendance	Cr
CORE [Eng 101 Comp II]	3
Psy 120 College Orientation	1
CORE [Mus 110 Music Apprec]	3
Educ 100 Orientation to Educ I	1
	18

2nd Semester

Mus 112 Music Theory	4
Mus 228 Applied Music Major Piano	2
Mus 166 Applied Music Voice	1
Mus 122 Concert Chorale	1
Mus 240 Recital Attendance	Cr
CORE [Eng 102 Comp II]	3
CORE [Math 110 Intro to Col Math]	3
CORE [Econ 180 Amer Econ Sys]	3
CORE [Art 110 or TH 110]	3
	20

Sophomore Year**1st Semester**

Take C-Base test.

Mus 310 Choral Techniques	2
Mus 211 Music Theory	3
Mus 227 Applied Music Major Piano	2
Mus 165 Applied Music Voice	1
Mus 122 Concert Chorale	1
Mus 240 Recital Attendance	Cr
CORE [Kine 103 Lifetime Wellness]	2
CORE [Kine 101 Physical Activity]	1
CORE [Eng 281 or 282 Lit]	3
Educ 200 Orientation to Educ II	1
Educ 302 Exceptional Child	2
CORE [Hist 110 U.S. History]	3
	21

2nd Semester

Apply for admission to teacher education.

Mus 182 Conducting Tech	2
Mus 212 Music Theory	3
Mus 228 Applied Music Major Piano	2
Mus 166 Applied Music Voice	1
Mus 121 Concert Chorale	1
Mus 240 Recital Attendance	Cr
Mus 409 Choral Literature	2
CORE [Comm 100 Oral Comm]	3
CORE [Bio 101 General Biology]	4
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
	21

Junior Year

1st Semester

Pass media competencies.

Mus 311	History of Music	3
Mus 420	Form & Analysis	3
Mus 427	Applied Music Major Piano	2
Mus 365	Applied Music Voice	1
Mus 321	Concert Chorale	1
Mus 240	Recital Attendance	Cr
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Psy 100	General Psychology	3
		21

2nd Semester

Mus 443	Adv Choral Conducting	2
Mus 312	History of Music	3
Mus 428	Applied Music Major Piano	2
Mus 366	Applied Music Voice	1
Mus 322	Concert Chorale	1
Mus 240	Recital Attendance	Cr
Mus 333	Music in Elem Grades	2
CORE	[Anth 342 Comp Cultures]	3
CORE	[Hist 320 U.S. History]	3
Psy 305	Developmental Psychology	4
		21

Senior Year

1st Semester

Apply for admission to Student Teaching. All course work must be completed except Professional Semester courses.

Mus 321	Concert Chorale	1
Mus 427	Applied Music Major Piano	2
Mus 450	Senior Recital	Cr
Mus 240	Recital Attendance	Cr
Psy 310	Educational Psychology	2
CORE	[Phys 100 Fund of Phys Sci]	5
Educ 301	Use of Comp Software in Class (or computer course approved by music dept.)	3
Educ 422	Tching Rding in Sec Sch	2
Mus 433	Arranging	4
		19

2nd Semester

Mus 335	Tching Music in Sec School	2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues in Educ	2
Educ 412	Individual Curriculum Dev (2)	
OR		
Educ 420	Intro to Counseling* (3)	
OR		
Psy 412	Meas & Eval (2)	2-3
Educ 464	Student Teaching	8
		16-17

[Department Recommendations]

*Must be taken at night, semester prior to student teaching.

Bachelor of Science in Education

Major Code 0857

Music Major

Grades Pre K-12 Certification (Plan B) Single Teaching Field Keyboard Major with Instrumental Emphasis

Freshman Year

1st Semester

Course	Hours
Mus 111 Music Theory	4
Mus 227 Applied Music Major Piano	2
Mus 191 Marching Band	1
Mus 240 Recital Attendance	Cr
CORE [Eng 101 Comp I]	3
Psy 120 College Orientation	1
CORE [Mus 110 Music Apprec]	3
Psy 100 General Psychology	3
Educ 100 Orientation to Educ I	1
	18

2nd Semester

Mus 112	Music Theory	4
Mus 228	Applied Music Major Piano	2
Mus 192	Concert Band	1
Mus 240	Recital Attendance	Cr
CORE	[Eng 102 Comp II]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
CORE	[Math 110 Intro to Col Math]	3
CORE	[Econ 180 Amer Econ Sys]	3
		19

Sophomore Year

1st Semester

Take C-Base test.

Mus 232/234	Brass/Woodwind Tech	2
Mus 211	Music Theory	3
Mus 227	Applied Music Major Piano	2
Mus 240	Recital Attendance	Cr
CORE	[Hist 110 U.S. History]	3
Educ 200	Orientation to Educ II	1
Educ 302	Exceptional Child	2
Mus 191	Marching Band	1
Psy 305	Developmental Psychology	4
		18

2nd Semester

Apply for admission to teacher education.

Mus 231/233	String/Percussion Tech	1
Mus 182	Conducting Tech	2
Mus 212	Music Theory	3
Mus 228	Applied Music Major Piano	2
Mus 192	Concert Band	1
Mus 240	Recital Attendance	Cr
CORE	[Hist 120 U.S. History]	3
CORE	[Bio 101 General Biology]	4
CORE	[Comm 100 Oral Comm]	3
CORE	[Eng 281 or 282 Lit]	3
		22

Junior Year

1st Semester

Pass media competencies.

Mus 232/234	Brass/Woodwind Tech	2
Mus 411	Marching Band Methods	2
Mus 444	Adv Instru Conducting	2

Mus	App Mus Woodwind/Brass	1
Mus 311	History of Music	3
Mus 420	Form & Analysis	3
Mus 427	Applied Music Major Piano	2
Mus 391	Marching Band	1
Mus 240	Recital Attendance	Cr
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
		24

2nd Semester

Mus 231/233	String/Percussion Tech	1
Mus	App Mus Woodwind/Brass	1
Mus 312	History of Music	3
Mus 428	Applied Music Major Piano	2
Mus 392	Concert Band	1
Mus 240	Recital Attendance	Cr
Mus 333	Music in Elem Grades	2
CORE	[Psc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Art 110 or Th 110]	3
CORE	[Anth 342 Comp. Cultures]	3
		19

Senior Year

1st Semester

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Mus 391	Marching Band	1
Mus 413	Instrumental Music Methods	2
Mus 427	Applied Music Major Piano	2
Mus 450	Senior Recital	Cr
Mus 240	Recital Attendance	Cr
Psy 310	Educational Psychology	2
CORE	[Phys 100 Fund of Phys Sci]	5
Educ 301	Use of Comp Sftwr in Cls (or computer course approved by music dept.)	3
Educ 422	Techniques of Reading	2
Mus 433	Arranging	4
		21

2nd Semester

Mus 335	Tching Mus in Sec School	2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues in Educ	2
Educ 412	Individual Curriculum Dev (2)	
OR		
Educ 420	Intro to Counseling (3)*	
OR		
Psy 412	Meas & Eval (2)	2-3
Educ 464	Student Teaching	8
		16-17

[Department Recommendations]

*Offered at night only, must be taken semester prior to student teaching.

102 / Music

Bachelor of Science in Education

Major Code 0854

Music Major

(Plan B) Single Teaching Field

Grades Pre K-12 Certification

Vocal Major

Freshman Year

1st Semester

Course	Hours
Mus 109 Sight Singing	2
Mus 111 Music Theory	4
Mus 267 Applied Music Voice	2
Mus 113 Class Piano	1
Mus 121 Concert Chorale	1
Mus 240 Recital Attendance	Cr
CORE [Eng 101 Comp I]	3
Psy 120 College Orientation	1
CORE [Mus 110 Music Apprec]	3
Educ 100 Orientation to Educ I	1
	18

2nd Semester

Mus 112 Music Theory	4
Mus 268 Applied Music Voice	2
Mus 113 Class Piano	1
Mus 122 Concert Chorale	1
Mus 240 Recital Attendance	Cr
CORE [Eng 102 Comp II]	3
CORE [Kine 103 Lifetime Wellness]	2
CORE [Kine 101 Physical Activity]	1
CORE [Math 110 Intro to Col Math]	3
CORE [Art 110 or TH 110]	3
	20

Sophomore Year

1st Semester

Take C-Base Test.

Mus 310 Choral Techniques	2
Mus 113 Class Piano	1
Mus 211 Music Theory	3
Mus 267 Applied Music Voice	2
Mus 121 Concert Chorale	1
Mus 240 Recital Attendance	Cr
CORE [Eng 281 or 282 Lit]	3
Educ 200 Orientation to Educ II	1
Educ 302 Exceptional Child	2
CORE [Econ 180 Amer Econ Sys]	3
CORE [Hist 110 U.S. History]	3
	21

2nd Semester

Apply for admission to Teacher Education.

Mus 113 Class Piano	1
Mus 212 Music Theory	3
Mus 268 Applied Music Voice	2
Mus 122 Concert Chorale	1
Mus 182 Conducting Tech	2
Mus 240 Recital Attendance	Cr
Mus 409 Choral Literature	2
CORE [Bio 101 General Biology]	4
CORE [Comm 100 Oral Comm]	3
Psy 100 General Psychology	3
	21

Junior Year

1st Semester

Pass media competencies.

Mus 311 History of Music	3
Mus 420 Form & Analysis	3
Mus 467 Applied Music Voice	2
Mus 325 Applied Music Keyboard	1
Mus 321 Concert Chorale	1
Mus 240 Recital Attendance	Cr
Educ 329 Ped Theo Meth & Prac	4
Educ 321 Microteaching	2
Educ 423 Classroom Management	2
CORE [Anth 342 Comp Cultures]	3
	21

2nd Semester

Mus 312 History of Music	3
Mus 468 Applied Music Voice	2
Mus 326 Applied Music Keyboard	1
Mus 322 Concert Chorale	1
Mus 240 Recital Attendance	Cr
Mus 333 Music in Elem Grades	2
Mus 443 Adv Choral Conducting	2
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
Psy 305 Developmental Psychology	4
CORE [Hist 320 U.S. History]	3
	21

Senior Year

1st Semester

Apply for student teaching. All courses must be completed except for Professional Semester.

Mus 321 Concert Chorale	1
Mus 467 Applied Music Voice	2
Mus 450 Senior Recital	Cr
Mus 240 Recital Attendance	Cr
Mus 433 Arranging	4
CORE [Phys 100 Fund of Phys Sci]	5
Educ 301 Use of Comp Sftwr in Clsrm	
(or computer course approved by music dept.)	3
Educ 422 Tchng Rdnng in Sec Sch	2
Psy 310 Education Psychology	2
	19

2nd Semester

Mus 335 Tchng Music in Sec School	2
Educ 402 Foundations of Educ	2
Educ 432 Critical Issues in Educ	2
Educ 412 Individual Curriculum Dev (2)	
OR	
Educ 420 Intro to Counseling (3)*	
OR	
Psy 412 Meas & Eval (2)	2-3
Educ 464 Student Teaching	8
	16-17

*Offered at night only, must be taken semester prior to student teaching.
[Department Recommendations]

Bachelor of Science in Education

Major Code 0853

Music Major

Grades Pre K-12 Certification

(Plan B) Single Teaching Field

Instrumental Major

Freshman Year

1st Semester

Course	Hours
Mus 111 Music Theory	4
Mus Applied Music Major	2
Mus 113 Class Piano	1
Mus 191 Marching Band (1)	
OR	
Mus 151 Orchestra (1)	1
Mus 240 Recital Attendance	Cr
CORE [Eng 101 Comp I]	3
Psy 120 College Orientation	1
CORE [Mus 110 Music Apprec]	3
Psy 100 General Psychology	3
Educ 100 Orientation to Educ I	1
	19

2nd Semester

Mus 112 Music Theory	4
Mus Applied Music Major	2
Mus 113 Class Piano	1
Mus 192 Concert Band (1)	
OR	
Mus 152 Orchestra (1)	1
Mus 240 Recital Attendance	Cr
CORE [Eng 102 Comp II]	3
CORE [Kine 103 Lifetime Wellness]	2
CORE [Kine 101 Physical Activity]	1
CORE [Math 110 Intro to Col Math]	3
CORE [Art 110 or TH 110]	3
	20

Sophomore Year

1st Semester

Take C-Base test.

Mus 113 Class Piano	1
Mus 211 Music Theory	3
Mus Applied Music Major	2
Mus 191 Marching Band (1)	
OR	
Mus 151 Orchestra (1)	1
Mus 232/234 Brass/Woodwind Tech	2
Mus 240 Recital Attendance	Cr
CORE [Eng 281 or 282 Lit]	3
Educ 200 Orientation to Educ II	1
Educ 302 Exceptional Child	2
CORE [Econ 180 Amer Econ Sys]	3
CORE [Comm 100 Oral Comm]	3
	21

2nd Semester

Apply for admission to Teacher Education.

Mus 113 Class Piano	1
Mus 182 Conducting Tech	2
Mus 212 Music Theory	3
Mus Applied Music Major	2
Mus 231/233 String/Percussion Tech	1
Mus 192 Concert Band (1)	
OR	
Mus 152 Orchestra (1)	1
Mus 240 Recital Attendance	Cr

CORE	[Hist 110 U.S. History]	3
CORE	[Bio 101 General Biology]	4
Psy 305	Developmental Psychology	4

Junior Year

1st Semester

Pass Media Competencies.

Mus 232/234	Brass/Woodwind Tech	2
Mus 311	History of Music	3
Mus 420	Form & Analysis	3
Mus	Applied Music Major	2
Mus 411	Marching Band Methods	2
Mus 391	Marching Band (1)	2
OR		
Mus 351	Orchestra (1)	1
Mus 240	Recital Attendance	Cr
Mus 444	Adv Instru Conducting	2
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2

2nd Semester

Mus 231/233	String/Percussion Tech	1
Mus 312	History of Music	3
Mus	Applied Music Major	2
Mus 392	Concert Band (1)	2
OR		
Mus 352	Orchestra (1)	1
Mus 240	Recital Attendance	Cr
Mus 333	Music in Elem Grades	2
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Anth 342 Compar Cultures]	3
Educ 422	Tchng Rdng in Sec Sch	2

Senior Year

1st Semester

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Mus 391	Marching Band (1)	1
OR		
Mus 351	Orchestra (1)	1
Mus 413	Instrumental Music Methods	2
Mus	Applied Music Major	2
Mus 450	Senior Recital	Cr
Mus 240	Recital Attendance	Cr
Mus 433	Arranging	4
Psy 310	Educational Psychology	2
CORE	[Phys 100 Fund Phys Sci]	5
Educ 301	Use of Comp Sftwr in Clsrm (or computer course approved by music dept.)	3
CORE	[Hist 320 U.S. History]	3

2nd Semester

Mus 335	Tching Music in Sec Sch	2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues in Educ	2
Educ 412	Individual Curriculum Dev (2)	2
OR		
Educ 420	Intro to Counseling (3)*	3
OR		
Psy 412	Meas & Eval (2)	2-3
Educ 464	Student Teaching	8

*Offered at night only, must be taken semester prior to student teaching.

[Department Recommendations]

For additional information contact:

Mr. Pete Havely

Office: Music Building 216

Phone: 625-9318

FAX: 625-3030

Course Descriptions

Mus 102, 302, 202, 402 (S) 1 hr. cr.

Opera or Musical Theatre Performance

Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. *(Students may not receive credit from both the theatre department and music department for the same production.)*

Mus 109 (F) 2 hrs. cr.

Sight Singing

Basic skills and concepts needed for sight-reading, sight-singing, solfege, rhythmic dictation, melodic dictation, and harmonic dictation are introduced, studied, and applied in aural and notated musical examples.

Mus 110 (F, S) 3 hrs. cr.

Music Appreciation

Designed to give the non-music major an insight into musical masterpieces from all eras of music literature.

Mus 111 (F) 4 hrs. cr.

Music Theory

Basic fundamentals of music with initiation of harmonic analysis and partwriting. Basic course for music majors; others by consent of instructor.

Mus 112 (S) 4 hrs. cr.

Music Theory

Sequential course in written harmony, including inversion, seventh chords and non-harmonic tones. Prerequisite: Mus 111.

Mus 113 (F, S) 1 hr. cr.

Class Piano

Reading skills, fundamental piano technique, basic musicianship and elementary repertoire. Material studied varies in accordance with educational purpose.

Mus 121, 321, 122, 322 Mus (F, S) 1 hr. cr.

Concert Chorale

Open to all college students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 133 (F) 2 hrs. cr.

Opera

History, production and performance of one act operas, operatic excerpts, musicals and light opera. Academic concentration the first six weeks on opera history and opera production with the last 10 weeks focusing upon the particular opera selected for production the spring semester of that year.

Mus 141, 341, 142, 342 (F, S) 1 hr. cr.

Jazz Band

A stage band open to all students who are qualified instrumentalists. The Jazz Band will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Each class may be repeated four times for credit. Corequisite: Mus 191, 391, 192 or 392.

Mus 151, 351, 152, 352 (F, S) 1 hr. cr.

Orchestra

Audition is available to all college students who play an orchestral instrument. The orchestra will present public concerts, performing standard and orchestral literature. Prerequisite: Audition. Each class may be repeated four times for credit.

Mus 161, 361, 162, 362 (F, S) 1 hr. cr.

Southern Exposure

Small select ensemble. Performs all literature from madrigal to modern music, written for small vocal ensemble. Prerequisite: Audition. Each class may be repeated four times for credit. Corequisite: Mus 121, 122, 321 or 322.

Mus 171, 371, 172, 372 (F, S) 1 hr. cr.

Brass Choir

Open to all students with band instrument experience. Performance of literature for brass ensemble. Each class may be repeated four times for credit.

Mus 182 (F) 2 hrs. cr.

Conducting Techniques

Baton technique, factors in interpretation, score reading and rehearsal procedures for instrumental and vocal organizations. Included is experience conducting live rehearsals. Prerequisite: Mus 211.

Mus 191, 391 (F) 1 hr. cr.

Marching Band

Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 192, 392 (S) 1 hr. cr.

Concert Band

Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

104 / Music

Mus 211 (F) Music Theory Modulation, diatonic, seventh chords, altered chords, advanced partwriting procedures. Prerequisite: Mus 112.	3 hrs. cr.	Mus 243 (F) Musical Theatre History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production in the spring semester of that school year. Course also offered under Th 243.	3 hrs. cr.	Mus 413 (F) Instrumental Music Methods Acquaints instrumental music education majors with the administration and supervision of the instrumental program through the high school level. Content includes curriculum, schedules, budget, instructional techniques, classroom management, public relations, philosophy, and psychology as they relate to instrumental music education. Prerequisite: Mus 182.	2 cr. hrs.
Mus 212 (S) Music Theory Secondary dominant chords, augmented triads and sixth chords, advanced modulation, introduction to contemporary techniques. Prerequisite: Mus 211.	3 hrs. cr.	Mus 298 (Demand) Selected Topics in Music Study of special topics in music not included in another course. Prerequisite: Permission of instructor.	1-3 hrs. cr.	Mus 420 (F) Form and Analysis Harmonic and formal analysis of composition from the Baroque Era through contemporary music. Prerequisite: Mus 212.	3 hrs. cr.
Mus 215 (Demand) Vocal Pedagogy An introduction to the science and teaching of singing. Emphasis is placed upon the study of the physiology and anatomy, breathing and phonation, and acoustics of the vocal instrument as well as the pedagogical approaches to training the singing voice.	2 hrs. cr.	Mus 309 (F) Choral Techniques Designed to formulate principles for directing secondary and adult choral ensembles. Covers motivational techniques, including body language, verbal skills, understanding of the vocal mechanism and the function of rhythm in the musical phrase. Explores various organizational methods, rehearsal procedures and teaching materials. Also includes conducting techniques conducive to encouraging proper vocal technique. Prerequisite: Mus 182.	2 hrs. cr.	Mus 433 (F) Instrumental and Vocal Arranging An in-depth study of wind, string, and percussion instruments. Scoring for various instrumental and vocal combinations. Prerequisite: Mus 212.	4 hrs. cr.
Mus 219 (Demand) Vocal Diction and Literature Applied voice students receive instruction in the correct pronunciation of English, Italian, French, German and Ecclesiastical Latin as used in the study of vocal literature.	2 hrs. cr.	Mus 311 (F) History of Music General survey of history of music from Greek period to 18th century. Prerequisite: Mus 211.	3 hrs. cr.	Mus 443 (S) Advanced Choral Conducting Conducting techniques specifically related to choral music. Prerequisite: Mus 182	2 hrs. cr.
Mus 231 (S) String Techniques Class instruction in the string instruments, including a study of methods and materials to be used in the teaching of beginning students.	1 hr. cr.	Mus 312 (S) History of Music From 18th century to the present. Score reading required. Prerequisite: Mus 211.	3 hrs. cr.	Mus 444 (F) Advanced Instrumental Conducting Techniques Conducting skills, including irregular beat patterns, advance technical problems, and methods developed for solving them. Prerequisite: Mus 182.	2 hrs. cr.
Mus 232 (F) Brass Techniques Class instruction in the brass instruments, including a study of methods and materials to be used in the teaching of beginning students.	2 hrs. cr.	Mus 332 (F, S) Music for the Elementary School Methods of teaching music in the elementary classroom and a study of materials to be used.	2 hrs. cr.	Mus 450(F,S) Senior Recital A solo recital is required of all music majors. The recital is to be given within the last year of residency. Corequisite: Mus 417, 427, 437, 447, 467, 418, 428, 438, 448, 458, or 468.	0 hrs. cr.
Mus 233 (S) Percussion Techniques (Not open to percussion majors) Class instruction in the percussion instruments, including a study of methods and materials to be used in the teaching of beginning students.	1 hr. cr.	Mus 333 (Demand) Music for the Elementary Grades Methods of teaching music in the elementary classroom and a study of materials to be used. Restricted to music majors and advanced music students. Prerequisite: Mus 112.	2 hrs. cr.	Mus 498 (Demand) Seminar in Music For upper division music majors or related majors. Topics and methods not included in other courses. Permission of instructor is required.	1-3 hrs. cr.
Mus 234 (F) Woodwind Techniques Class instruction in the woodwind instruments, including a study of methods and materials to be used in the teaching of beginning students.	2 hrs. cr.	Mus 409 (S) Choral Literature Study of choral and vocal chamber literature from the early Renaissance through the twentieth century. Concentrate on performance styles of various types of choral literature. Prerequisite: Mus 211.	2 hrs. cr.	Mus 499 (Demand) Independent Study Designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Prerequisite: See "General Regulations" in the catalog.	1-3 hrs. cr.
Mus 240 (F, S) Recital Attendance Attendance at designated afternoon and evening recitals and concerts is required of all music majors each semester. Corequisite: Music major (major code of 0856, 0866, or 1005.)	0 hrs. cr.	Mus 411 (F) Marching Band Methods Procedures needed in organization, promotion, equipping, rehearsing and performance of a marching band including study of musical repertoire and charting of field maneuvers. For music majors; others by consent of instructor. Prerequisite: 2 semesters marching band. Corequisite: Mus 391.	2 hrs. cr.		

Applied Music Elective (Private Lessons)

Private study in: Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

Mus 115	Applied Music Brass Elective	1 hr. cr.
Mus 125	Applied Music Keyboard Elective	1 hr. cr.
Mus 135	Applied Music Percussion Elective	1 hr. cr.
Mus 145	Applied Music String Elective	1 hr. cr.
Mus 155	Applied Music Woodwind Elective	1 hr. cr.
Mus 165	Applied Music Voice Elective	1 hr. cr.
Mus 116	Applied Music Brass Elective	1 hr. cr.
Mus 126	Applied Music Keyboard Elective	1 hr. cr.
Mus 136	Applied Music Percussion Elective	1 hr. cr.
Mus 146	Applied Music String Elective	1 hr. cr.
Mus 156	Applied Music Woodwind Elective	1 hr. cr.
Mus 166	Applied Music Voice Elective	1 hr. cr.
Mus 315	Applied Music Brass Elective	1 hr. cr.
Mus 325	Applied Music Keyboard Elective	1 hr. cr.
Mus 335	Applied Music Percussion Elective	1 hr. cr.
Mus 345	Applied Music String Elective	1 hr. cr.
Mus 355	Applied Music Woodwind Elective	1 hr. cr.
Mus 365	Applied Music Voice Elective	1 hr. cr.
Mus 316	Applied Music Brass Elective	1 hr. cr.
Mus 326	Applied Music Keyboard Elective	1 hr. cr.
Mus 336	Applied Music Percussion Elective	1 hr. cr.
Mus 346	Applied Music String Elective	1 hr. cr.
Mus 356	Applied Music Woodwind Elective	1 hr. cr.
Mus 366	Applied Music Voice Elective	1 hr. cr.
Mus 117	Applied Music Brass Elective	2 hrs. cr.
Mus 127	Applied Music Keyboard Elective	2 hrs. cr.
Mus 137	Applied Music Percussion Elec	2 hrs. cr.
Mus 147	Applied Music String Elective	2 hrs. cr.
Mus 157	Applied Music Woodwind Elective	2 hrs. cr.
Mus 167	Applied Music Voice Elective	2 hrs. cr.
Mus 118	Applied Music Brass Elective	2 hrs. cr.
Mus 128	Applied Music Keyboard Elective	2 hrs. cr.
Mus 138	Applied Music Percussion Elec	2 hrs. cr.
Mus 148	Applied Music String Elective	2 hrs. cr.
Mus 158	Applied Music Woodwind Elect	2 hrs. cr.
Mus 168	Applied Music Voice Elective	2 hrs. cr.
Mus 317	Applied Music Brass Elective	2 hrs. cr.
Mus 327	Applied Music Keyboard Elective	2 hrs. cr.
Mus 337	Applied Music Percussion Elec	2 hrs. cr.
Mus 347	Applied Music String Elective	2 hrs. cr.
Mus 357	Applied Music Woodwind Elec	2 hrs. cr.
Mus 367	Applied Music Voice Elective	2 hrs. cr.
Mus 318	Applied Music Brass Elective	2 hrs. cr.
Mus 328	Applied Music Keyboard Elective	2 hrs. cr.
Mus 338	Applied Music Percussion Elec	2 hrs. cr.
Mus 348	Applied Music String Elective	2 hrs. cr.
Mus 358	Applied Music Woodwind Elective	2 hrs. cr.
Mus 368	Applied Music Voice Elective	2 hrs. cr.
Elective in Jazz Improvisation		
Mus 114		1 hr. cr.
Mus 214		2 hrs. cr.

Applied Music Major (Private Lessons)

Private study in Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

Mus 217	Applied Music Brass Major	2 hrs. cr.
Mus 227	Applied Music Keyboard Major	2 hrs. cr.
Mus 237	Applied Music Percussion Major	2 hrs. cr.
Mus 247	Applied Music String Major	2 hrs. cr.
Mus 257	Applied Music Woodwind Major	2 hrs. cr.
Mus 267	Applied Music Voice Major	2 hrs. cr.
Mus 218	Applied Music Brass Major	2 hrs. cr.
Mus 228	Applied Music Keyboard Major	2 hrs. cr.
Mus 238	Applied Music Percussion Major	2 hrs. cr.
Mus 248	Applied Music String Major	2 hrs. cr.
Mus 258	Applied Music Woodwind Major	2 hrs. cr.
Mus 268	Applied Music Voice Major	2 hrs. cr.
Mus 417	Applied Music Brass Major	2 hrs. cr.
Mus 427	Applied Music Keyboard Major	2 hrs. cr.
Mus 437	Applied Music Percussion Major	2 hrs. cr.

Mus 447	Applied Music String Major	2 hrs. cr.
Mus 457	Applied Music Woodwind Major	2 hrs. cr.
Mus 467	Applied Music Voice Major	2 hrs. cr.
Mus 418	Applied Music Brass Major	2 hrs. cr.
Mus 428	Applied Music Keyboard Major	2 hrs. cr.
Mus 438	Applied Music Percussion Major	2 hrs. cr.
Mus 448	Applied Music String Major	2 hrs. cr.
Mus 458	Applied Music Woodwind Major	2 hrs. cr.
Mus 468	Applied Music Voice Major	2 hrs. cr.
Corequisite: Music major (major code of 0853, 0854, 0855, 0856, 0857, 0866, or 1005.)		

Mus 126	Applied Music Keyboard Elective	1 hr. cr.
Mus 136	Applied Music Percussion Elective	1 hr. cr.
Mus 146	Applied Music String Elective	1 hr. cr.
Mus 156	Applied Music Woodwind Elective	1 hr. cr.
Mus 166	Applied Music Voice Elective	1 hr. cr.
Mus 315	Applied Music Brass Elective	1 hr. cr.
Mus 325	Applied Music Keyboard Elective	1 hr. cr.
Mus 335	Applied Music Percussion Elective	1 hr. cr.
Mus 345	Applied Music String Elective	1 hr. cr.
Mus 355	Applied Music Woodwind Elective	1 hr. cr.
Mus 365	Applied Music Voice Elective	1 hr. cr.
Mus 316	Applied Music Brass Elective	1 hr. cr.
Mus 326	Applied Music Keyboard Elective	1 hr. cr.
Mus 336	Applied Music Percussion Elective	1 hr. cr.
Mus 346	Applied Music String Elective	1 hr. cr.
Mus 356	Applied Music Woodwind Elective	1 hr. cr.
Mus 366	Applied Music Voice Elective	1 hr. cr.
Mus 117	Applied Music Brass Elective	2 hrs. cr.
Mus 127	Applied Music Keyboard Elective	2 hrs. cr.
Mus 137	Applied Music Percussion Elec	2 hrs. cr.
Mus 147	Applied Music String Elective	2 hrs. cr.
Mus 157	Applied Music Woodwind Elective	2 hrs. cr.
Mus 167	Applied Music Voice Elective	2 hrs. cr.
Mus 118	Applied Music Brass Elective	2 hrs. cr.
Mus 128	Applied Music Keyboard Elective	2 hrs. cr.
Mus 138	Applied Music Percussion Elec	2 hrs. cr.
Mus 148	Applied Music String Elective	2 hrs. cr.
Mus 158	Applied Music Woodwind Elect	2 hrs. cr.
Mus 168	Applied Music Voice Elective	2 hrs. cr.
Mus 317	Applied Music Brass Elective	2 hrs. cr.
Mus 327	Applied Music Keyboard Elective	2 hrs. cr.
Mus 337	Applied Music Percussion Elec	2 hrs. cr.
Mus 347	Applied Music String Elective	2 hrs. cr.
Mus 357	Applied Music Woodwind Elec	2 hrs. cr.
Mus 367	Applied Music Voice Elective	2 hrs. cr.
Mus 318	Applied Music Brass Elective	2 hrs. cr.
Mus 328	Applied Music Keyboard Elective	2 hrs. cr.
Mus 338	Applied Music Percussion Elec	2 hrs. cr.
Mus 348	Applied Music String Elective	2 hrs. cr.
Mus 358	Applied Music Woodwind Elective	2 hrs. cr.
Mus 368	Applied Music Voice Elective	2 hrs. cr.
Mus 217	Applied Music Brass Major	2 hrs. cr.
Mus 227	Applied Music Keyboard Major	2 hrs. cr.
Mus 237	Applied Music Percussion Major	2 hrs. cr.
Mus 247	Applied Music String Major	2 hrs. cr.
Mus 257	Applied Music Woodwind Major	2 hrs. cr.
Mus 267	Applied Music Voice Major	2 hrs. cr.
Mus 218	Applied Music Brass Major	2 hrs. cr.
Mus 228	Applied Music Keyboard Major	2 hrs. cr.
Mus 238	Applied Music Percussion Major	2 hrs. cr.
Mus 248	Applied Music String Major	2 hrs. cr.
Mus 258	Applied Music Woodwind Major	2 hrs. cr.
Mus 268	Applied Music Voice Major	2 hrs. cr.
Mus 417	Applied Music Brass Major	2 hrs. cr.
Mus 427	Applied Music Keyboard Major	2 hrs. cr.
Mus 437	Applied Music Percussion Major	2 hrs. cr.
Mus 447	Applied Music String Major	2 hrs. cr.
Mus 457	Applied Music Woodwind Major	2 hrs. cr.
Mus 467	Applied Music Voice Major	2 hrs. cr.
Mus 418	Applied Music Brass Major	2 hrs. cr.
Mus 428	Applied Music Keyboard Major	2 hrs. cr.
Mus 438	Applied Music Percussion Major	2 hrs. cr.
Mus 448	Applied Music String Major	2 hrs. cr.
Mus 458	Applied Music Woodwind Major	2 hrs. cr.
Mus 468	Applied Music Voice Major	2 hrs. cr.
Elective in Jazz Improvisation		
Mus 114		1 hr. cr.
Mus 214		2 hrs. cr.

Corequisite: Music major (major code of 0853, 0854, 0855, 0856, 0857, 0866, or 1005.)

Paralegal Studies

Webster Hall 245, 625-9564

Faculty Miller - Chair, Yates

The paralegal program is designed for the student seeking a career as a legal assistant working under the direction and supervision of an attorney in private practice, government service or legal aid. However, the knowledge and skills acquired in the paralegal program are beneficial to students in the areas of law enforcement, prelaw, business law and political science. Students who choose to learn more about the legal system and how to develop their own skills in legal research for personal enrichment are also encouraged to enroll.

No major or degree is now offered in paralegal studies, but a student enrolled in the paralegal program may obtain an associate of arts degree with an emphasis in paralegal studies. Paralegal studies may also be used as a minor for a bachelor of arts or bachelor of science degree. Students wishing to take only classes in paralegal studies may receive recognition for successfully completing 21 hours of course work. This option is recommended only for post-graduate students or students who have already completed the Core Curriculum. The required courses and suggested electives are listed under the requirements for the minor. Students must have an adviser in paralegal studies.

Minor in Paralegal Studies

		Semester Hours
PLS 201	Intro to Legal Assistance	3
PLS 302	Legal Research	3
Electives from the following:		15
PLS 298	Topics in Paralegal Studies3	
PLS 311	Property*	3
PLS 312	Civil Litigation*	3
PLS 320	Family Law*	3
PLS 401	Wills, Trusts and Probate*3	
GB 301	Legal Environment of Business I	3
GB 302	Legal Environment of Business II	3
PSc 310	Law, Society & Judicial Process	3
PSc 431	Constitutional Law I	3
PSc 432	Constitutional Law II	3

106 / Paralegal, Philosophy

PLS 491	Internship**	3
PLS 498	Senior Seminar**	3
PLS 499	Independent Study**	3
OR One of the following:		
Comm 310	Communications Law	3
LE 250	Criminal Law	3
PSc 322	International Law	3
GB 411	Labor Law	3

21

*Highly Recommended

**See Prerequisites

Suggested Order of Study

Associate of Arts

Major Code 7999

Emphasis in Paralegal Studies

(This is a general associate of arts degree, NOT a paralegal degree)

Freshman Year

Course	Hours
PLS 201	Intro to Legal Assistance 3
PLS 302	Legal Research 3
CORE	[Eng 101 Comp I] 3
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3
Psy 120	College Orientation 1
CORE	[Kine 103 Lifetime Wellness] 2
CORE	[Kine 101 Physical Activity] 1
16	

2nd Semester

CORE	[Eng 102 Comp II] 3
CORE	[Hist 110 or 120 U.S. Hist] 3
CORE	[Math 110 Intro to Col Math] 3
CORE	[Bio 101 General Biology] 4
PLS	Upper Division Elective 3
16	

Sophomore Year

Course	Hours
CORE	[Econ 180, Soc 110 or Psy 100] 3
CORE	[Phys 100 Fund of Phys Sci] 5
CORE	[Humanities and Fine Arts] 3
PLS	Upper Division Electives 6
17	

2nd Semester

CORE	[Comm 100 Oral Comm] 3
CORE	[Literature] 3
CORE	[Humanities and Fine Arts] 3
PLS 491	Internship 3
PLS	Upper Division Elective 3
15	

[Department Recommendations]

Suggested electives are Civil Litigation; Family Law; Property; Wills, Trusts and Probate.

For additional information contact:

Dr. Michael Yates

Office: Webster Hall 234

Phone: 625-9333

Course Descriptions

PLS 201 (F) 3 hrs. cr.

Introduction to Legal Assistance

American legal system with emphasis on the roles, skills and tasks of the paralegal. Topics include professional ethics, client interviewing and legal analysis.

PLS 298 (Demand) 3 hrs. cr.

Topics in Paralegal Studies

Special topics of current interest to the student. Subjects are changed each semester. Students are encouraged to submit areas of interest to the social science department.

PLS 302 (F, Odd) 3 hrs. cr.

Legal Research

Research involved in case preparation; use of the law library and the various digests, encyclopedias, reporters, etc., contained therein.

PLS 311 (S, Odd) 3 hrs. cr.

Property

Laws relating to real and personal property with emphasis on the procedures and forms used in real estate transactions and conveyances such as deeds and contracts.

PLS 312 (S, Even) 3 hrs. cr.

Civil Litigation

Process of civil litigation from filing to appeal including rules for instituting and conducting lawsuits before federal and state courts, rules of procedure, and the preparation of pertinent legal forms.

PLS 320 (S, Even) 3 hrs. cr.

Family Law

Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse and termination of parental rights and the preparation of pertinent legal forms.

PLS 401 (F, Even) 3 hrs. cr.

Wills, Trusts and Probate

Law of wills, trusts and intestate succession; includes analysis of the administration and probate of estates and the preparation of pertinent legal forms.

PLS 491 (Demand) 3 hrs. cr.

Internship

An applied internship of 135 hrs. done under the supervision of a practicing professional who is directly engaged in a day-to-day application of the law (i.e. judges, attorneys, government officials) as approved by department head. Prerequisite: 12 hrs. of paralegal studies and/or consent of instructor.

PLS 498 (Demand) 3 hrs. cr.

Senior Seminar

Comprehensive analysis and review of selected legal topics to be announced when course is offered. Prerequisite: 9 hrs. of paralegal studies or consent of instructor.

PLS 499 1-2-3 hrs. cr.

Independent Study

Study and research by the student under the direction and supervision of instructor/adviser with prior approval by department head and school dean. Prerequisites: Advanced standing in the major field and a minimum GPA of 3.0.

Philosophy

Hearnes Hall 312, 625-9659

Faculty Spector - Head, Brown

Philosophy deals with basic questions from all areas of life and thought—science, religion, art, morality and politics—and helps students refine their views on these subjects. Most importantly, philosophy teaches students how to think: how to analyze problems into their essential elements, how to decide which proposed solution to a problem is supported by the best evidence, how to separate relevant from irrelevant points and how to state issues clearly and precisely. While some philosophy students go to graduate school and become professional philosophers, most go on to careers in such areas as law, medicine, theology, business, government and public service. Philosophy students are highly successful in gaining admittance to law schools, medical schools, graduate schools of management, and theological seminaries.

The department offers a minor in philosophy, which consists of 18 credit hours. Students are required to complete a course in Critical Thinking (Phil 140), a course in Ethics (Phil 212, Phil 312, PSc 411 or a suitable Selected Topics Course) and two courses in the History of Philosophy (Phil 301 and 302). Two courses are elective, at least one of which must be at the 300 level or above.

For additional information contact:

Dr. Stephen Spector

Office: Hearnes Hall 314

Phone: 625-9535

Course Descriptions

Phil 140 3 hrs. cr.
Critical Thinking

Introduction to logic, with special emphasis on common errors and fallacies in reasoning.

Phil 201 3 hrs. cr.
Introduction to Philosophy

Comparative survey of major types of philosophy and of representative problems in philosophy. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 212 3 hrs. cr.
Ethics

Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in contemporary society. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 298 3 hrs. cr.
Topics in Philosophy

Studies in a variety of philosophical subjects. Topic open.

Phil 301 3 hrs. cr.
Ancient Philosophy

Historical study of ancient philosophy, with special emphasis on the writings of Plato and Aristotle. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 302 3 hrs. cr.
Modern Philosophy

A survey of the major schools of western philosophy from 1550 to 1850. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 312 3 hrs. cr.
Biomedical Ethics

A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources, and medical experimentation.

Phil 320 3 hrs. cr.
Comparative Religion

A philosophical and historical survey, emphasizing the world's major living religions. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)

Phil 420 3 hrs. cr.
Philosophy of Science

Investigation of the nature and scope of scientific inquiry. Topics include the logic of scientific reasoning, the nature of scientific theories, the conceptual presuppositions of science, and the relation between the natural and social sciences. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 498 3 hrs. cr.
Seminar in Philosophy
Comprehensive analysis of selected topics in philosophy. For upper division students.

Phil 499 1-3 hrs. cr.
Independent Study

Individually directed study in selected areas for advanced students. Prerequisite: GPA of 3.0 in philosophy. Enrollment must be approved by adviser, department head and school dean.

Physics and Pre-Engineering

Reynolds Hall 210, 625-9376

Faculty Baiamonte - Head, Chelf, Knapp, Phillips, Sloan

Physics graduates obtain a strong diversified background in science and mathematics which will qualify them to enter various areas of employment in industry, government or secondary education, or for entrance into graduate programs in physics and engineering. Students who plan to do graduate work in engineering should, with the help of a faculty adviser, select their free electives in the area they plan to enter.

The physics area of the physical science department participates in cooperative two-year pre-engineering programs which allow students to complete the first two years of an engineering degree at Missouri Southern and then transfer to an engineering school to complete the remaining two years of the degree. (See page 188).

Bachelor of Science with a Major in Physics

	Semester Hours
Core Requirements (p. 43) 51*	43
Physics Requirements	39
Phys 160 General Physics I**	3
Phys 270 General Physics II**	5
Phys 280 General Physics III**	5
Phys 301 Modern Physics**	4
Phys 322 Classical Mechanics**	3
Phys 341 Thermal Physics**	4
Phys 372 Electronic Circuits**	4
Phys 381 Intermediate Physics Laboratory**	3

Phys 401 Electricity & Magnetism**	4
Phys 452 Quantum Mechanics**	
OR	
Phys 480 Selected Topics in Physics & Engineering	3
Phys 498 Seminar	1
Supporting Requirements	26
Chem 101 General Chemistry I**	5
Math 150 Calculus with Analytical Geometry I**	5
Math 250 Calculus with Analytical Geometry II**	5
Math 260 Calculus with Analytical Geometry III**	5
Math 322 Differential Equations**	3
Comp 110 Programming I	3
Electives***	20
	128****

*Required physics, chemistry and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Suggested Electives (Chem 102, Comp 210, Math 351, Math 431 and Phys 480)

****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in Physics

Grades 9-12 Certification Unified Science with a Physics Endorsement

	Semester Hours
Core Requirements (p. 43) 51*	36
Physics Requirements	25
Phys 280 General Physics III (5)	2
Phys 301 Modern Physics**	4
Phys 312 Statics**	3
Phys 322 Classical Mechanics**	3
Phys 341 Thermal Physics**	4
Phys 372 Electronic Circuits**	4
Phys 381 Intermediate Physics Laboratory**	3
Phys 498 Seminar	2
Supporting Requirements	66
Phil 420 Philosophy of Science	3
Bio 101 General Biology	4
Bio 112 Botanical Survey**	4
Bio 122 Zoological Survey**	4
Chem 101 General Chemistry I**	5
Chem 102 General Chemistry II**	5
Phys 160 General Physics I**	3
Phys 270 General Physics II**	5
Phys 280 General Physics III (5)	3
Geol 110 Intro to Geology	5
Geol 180 Intro to Meteorology	3

108 / Physics & Pre-Engineering

Math 150	Calculus with Analytical Geometry I**	5
Math 250	Calculus with Analytical Geometry II**	5
Math 260	Calculus with Analytical Geometry III**	5
Comp 110	Programming I	3
Select one:		
Bio 312	Environmental Biology	4
Bio 402	General Ecology	4
Bio 481	Aquatic Ecology	4
Geol 300	Environmental Geology	4
Education Certification Requirements (p. 149)		
		41-42
		168-169

*Required physics, chemistry, mathematics, biology and psychology courses satisfy major requirements and 15 hours of the Core Curriculum.

**See Prerequisites

Minor in Physics

		Semester Hours
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Phys 280	General Physics III	5
Physics	Upper Division Electives (excluding Phys 300)	8
		21

Suggested Order of Study

Bachelor of Science

Major Code 1902

Physics Major

Freshman Year

1st Semester		
Course		Hours
Math 150	Calculus I	5
Chem 101	Gen Chem I (Alg & Trig)	5
CORE	[Eng 101 Comp I]	3
Phys 160	General Physics I	3
Psy 120	College Orientation	1
		17

2nd Semester

Phys 270	Gen Physics II (Math 150)	5
Math 250	Calculus II (Math 150)	5
Elective	[Chem 102 General Chem II]	5
CORE	[Eng 102 Comp II]	3
		18

Sophomore Year

1st Semester		
Phys 280	Gen Physics III (Phys 270)	5
Math 260	Calculus III (Math 250)	5
Comp 110	Programming I	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 103 Lifetime Wellness]	2
		18

2nd Semester

Phys 322	Classical Mechanics (3)	
OR		
Phys 341	Thermal Physics (4)	3-4
Phys 372	Electronic Circuits	4
Math 322	Differential Equations	3
CORE	[Hist 120 or 320 U.S. Hist]	3
CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Kine 101 Physical Activity]	1
		17-18

Junior Year

1st Semester		
Phys 301	Modern Physics	4
Phys 381	Intermediate Physics Lab (3)	
OR		
Phys 401	Electricity & Magnetism (4)	3-4
CORE[Bio 101	General Biology]	4
CORE[Humanities and Fine Arts]		3
CORE	[Psy 100 Gen Psychology]	
OR		
CORE	[Soc 110 Sociology]	3
		17-18

2nd Semester

Phys 341	Thermal Physics (4)	
OR		
Phys 322	Classical Mechanics (3)	4-3
Phys 452	Quantum Mechanics	
OR		
Phys 480	Selective Topics	3
Math	Elective	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Humanities and Fine Arts]	3
		16-15

Senior Year

1st Semester		
Phys 401	Electricity & Magnetism (4)	
OR		
Phys 381	Intermediate Phys Lab (3)	4-3
CORE	[Humanities and Fine Arts]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Phys or Math	Elective	3
Electives		3
		16-15

2nd Semester

Phys 452	Quantum Mechanics	
OR		
Phys 480	Selective Topics	3
Phys 498	Seminar	1
CORE	[International Cultural Stu]	3
Electives		9
		16

(Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Russell Phillips

Office: Reynolds Hall 208

Phone: (417) 625-9719

Course Descriptions

Phys 100 (F, S, SS) 5 hrs. cr.

Fundamentals of Physical Science

Basic concepts in the fields of physics, chemistry, geology and astronomy will be presented as time permits. Emphasis on a detailed picture of energy and its uses, including an understanding of both mechanical and thermal efficiencies and the limitations that these efficiencies place on our world. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: Math ACT of 16 or higher or Math 20 with a grade of "C" or better.

Phys 101 (F, S) 5 hrs. cr.

Physical Science for Elementary Teachers

Basic concepts in the field of physical science. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Four lecture and demonstration periods and one three-hour lab per week. Prerequisite: Math 111.

Phys 102 (F, S) 1 hr. cr.

Physical Science Laboratory

Experiments related to topics studied in Physics 100 will be conducted. One three-hour lab per week. Prerequisite or corequisite: Physics 100.

Phys 151 (F, S, SS) 5 hrs. cr.

Elementary College Physics I

Mechanics, rotational dynamics, properties of matter, heat, wave motion and sound. Four hrs. lecture, one 2-hr. lab per week. Prerequisite: Math 140.

Phys 152 (S) 4 hrs. cr.

Elementary College Physics II

Electricity, circuits, magnetism, optics, relativity, radioactivity, and nuclear reactions. Three hours of lecture and one 2-hr. lab per week. Prerequisite: Phys 151.

Phys 160 (F, S) 3 hrs. cr.

General Physics I

Introductory study of physics covering vector techniques, geometrical and trigonometrical applications in physics, kinematics and dynamics of particles in one, two, and three dimensions, and an introduction to work and energy. Three hours of lecture per week. Prerequisite: Math 140; corequisite: Math 150.

Phys 270 (F, S) 5 hrs. cr.

General Physics II

Introductory study of energy, momentum, kinematics and dynamics of rigid bodies, equilibrium, fluids, waves, and a study of heat and temperature. Four hrs. lecture, one 3-hr. lab/recitation class per week. Prerequisite: Math 150, Phys 160; corequisite: Math 250.

Phys 280 (F, S) 5 hrs. cr.

General Physics III

Introductory study of electricity, magnetism, and geometrical and physical optics. Four hours of lecture and one 3-hr. lab/recitation class per week. Prerequisite: Phys 270, Math 250.

Phys 298 (F, S) 1-3 hrs. cr.

Selected Topics in Physical Science

Special topics in physical science not normally offered in other courses. Prerequisite or corequisite: Math 130 or equivalent.

Phys 300 (Demand) 3 hrs. cr.

Astronomy

Study of our solar system and universe including the following topics: the solar system, Kepler's laws, celestial coordinates and observing. Hertzsprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies and cosmology. Three lectures per week. (Does not count toward a physics major.) Prerequisite: Phys 100 or equivalent and one year high school algebra.

Phys 301 (F) 4 hrs. cr.

Modern Physics

Special theory of relativity, wave-particle experiments, introductory quantum mechanics and nuclear physics. Prerequisite: Phys 280. Corequisite: Math 260.

Phys 312 (SS) 3 hrs. cr.

Statics

Principles of mechanics as applied to problems of engineering in which the structures under consideration are in static equilibrium. Three lectures per week. Prerequisite: Phys 160.

Phys 322 (S, Even) 3 hrs. cr.

Classical Mechanics

Kinematics and dynamics of particles and systems of particles including the harmonic oscillator, potential functions, conservative fields of force, accelerated reference frames, energy, gravitation and rigid bodies. Three hrs. lecture per week. Prerequisite: Phys 270, Corequisite: Math 322 or permission of instructor.

Phys 341 (S, Odd) 4 hrs. cr.

Thermal Physics

Temperature, transfer of heat, laws of thermodynamics, entropy, enthalpy, reversibility and irreversibility, thermal properties of materials, change of phase, use of thermo tables and introduction to heat transfer. Four hrs. lecture per week. Prerequisite: Phys 270; corequisite: Math 260.

Phys 372 (S) 4 hrs. cr.

Electronic Circuits

Ohm's law, Kirchoff's laws, Nodal analysis, mesh analysis, Thevenin's and Norton's theorems, superposition, inductors and capacitors, source-free RL and RC circuits, RLC circuits. Complex variables and their application to steady-state AC circuits. Two 3-hr. lectures and lab per week. Presently limited to 15 students by equipment considerations. Prerequisite: Phys 280, Corequisite: Math 260.

Phys 381 (Demand) 3 hrs. cr.

Intermediate Physics Laboratory

(Writing Intensive)

Experiments in classical and modern physics, including wave phenomena, heat transfer, electrical measurements, optics, photoelectric effect and radioactivity. Two 3-hr. lab per week. Prerequisite: Phys 301 or permission of instructor.

Phys 401 (F, Odd) 4 hrs. cr.

Electricity and Magnetism

Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties, induced electromotive force, Maxwell's equations and electromagnetic waves. Four hrs. lecture per week. Prerequisites: Math 260 and Phys 280.

Phys 452 (Demand) 3 hrs. cr.

Quantum Mechanics

Time independent Schroedinger equation, eigenfunctions, expectation values, differential operators, perturbation theory, multielectron atoms and applications to solid state physics. Three hrs. lecture per week. Prerequisite: Phys 301 and Math 322.

Phys 480 (Demand) 3 hrs. cr.

Selected Topics in Physics and Engineering

One or more of the following topics for further study: solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer and mechanics of materials. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 498 (F, S) 1-3 hrs. cr.

Seminar

Topics of current interest by the student from the areas of physics and engineering. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts in physics at the secondary level. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 499 (F, S) 1-3 hrs. cr.

Independent Study

Course structured by the adviser with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the adviser, department head and school dean.

Political Science

Webster Hall, 625-9564

Faculty Miller - Head, St. Clair, Simpson, Yates, Youst

The bachelor of arts degree with a major in political science is appropriate for those students seeking to do graduate work in political science, enter professional schools of law or public administration, join the public service or work in community service as well as general career options. A bachelor of science in education degree with a major in social studies - political science emphasis - certifies a student to teach on the secondary school level. A minor in political science is available for students majoring in other disciplines. In addition, see page 112 for a social science minor or the social studies in secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by PSc 120.

PSc 120 is a prerequisite for all other political science courses.

Bachelor of Arts with a Major in Political Science

	Semester Hours
Core Requirements (p. 43) 51*	48
Computer Literacy Requirement - determined by social science department	2-3
Foreign Language (four courses in one language)	12
Political Science Requirements	36
PSc 120 Gov't: U.S./State/Local	3
PSc 300 Intro to Pol Sci Methods	3
PSc 498 Seminar in Political Science	
OR	
PSc 497 Capital Internship	3

110 / Political Science

Select one course from each of the following four areas:

U.S. Politics (3)

PSc 301 Political Parties & Elections

PSc 302 Public Opinion & Pressure Groups

PSc 311 American Presidency

PSc 312 Legislative Process

State and Local Government (3)

PSc 320 State Government

PSc 341 Municipal Government

PSc 342 Public Policy

PSc 421 Public Administration

International Politics (3)

PSc 321 International Relations

PSc 331 Comparative Government: Europe

PSc 332 Comparative Government: Latin America

PSc 411 Political Theory

PSc 412 Contemporary Political Thought

Law (3)

PSc 310 Law, Society and the Judicial Process

PSc 322 International Law

PSc 431 Constitutional Law I

PSc 432 Constitutional Law II

Political Science Electives**

Electives

15

29-30

128***

*Political Science 120 satisfies major requirements and 3 hours of Core Curriculum.

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in Social Studies

Political Science Emphasis

Grades 9-12 Certification

Plan B

Single Teaching Field

Semester Hours

Core Requirements (p. 43) 51*

Political Science Requirements 15

PSc 120 Gov't: U.S./State/Local 3

PSc Upper Division Electives 12

Supporting Requirements 36

Hist 110 U.S. History 1492-1877 3

Hist 120 U.S. History 1877-Present OR

Hist 320 U.S. History 1877-Present 3

12

Hist 130 Western Civilization to 1660

Hist 140 Western Civilization

Since 1660 3

Hist Upper Division U.S.**

(not 320) 6

Hist Upper Division

Asian** 3

Soc 110 Intro to Sociology 3

Soc Upper Division Elective** 3

Geog 211 Regions and Nations 3

Geog Upper Division Elective 3

Econ 180 Amer Econ System 3

Electives 3-4

Education Certification Requirements (p. 149) 40-41

128

*Required political science, history, sociology and economics courses satisfy major requirements and 18 hours of Core Curriculum.

**See Prerequisites

Minor in Political Science

Semester Hours

PSc 120 Gov't: U.S./State/Local 3

PSc Electives* 18

21

*Must be chosen with approval of a political science adviser.

Suggested Order of Study

Bachelor of Arts

Major Code 2207

Political Science Major

Freshman Year

1st Semester

Course

Hours

Foreign Language 3

CORE [Eng 101 Comp I] 3

CORE [Hist 110 U.S. 1492-1877] 3

CORE [Math 110 Intro to Col Math] 3

CORE [Comm 100 Oral Comm] 3

Psy 120 College Orientation 1

16

2nd Semester

Foreign Language 3

CORE [Eng 102 Comp II] 3

CORE [Hist 120 U.S. 1877-Present] 3

OR

CORE [Hist 320 U.S. 1877-Present] 3

CORE [Bio 101 General Biology] 4

CORE [Humanities and Fine Arts] 3

16

Sophomore Year

1st Semester

PSc 120 Gov't: U.S./State/Local* 3

CORE [English Lit] 3

Foreign Language 3

CORE [Phys 100 Fund of Phys Sci] 5

CORE [Kine 103 Lifetime Wellness] 2

CORE [Kine 101 Physical Activity] 1

17

2nd Semester

CORE [Econ 201 Prin of Econ-Macro] 3

PSc [Upper Division Elective approved by adviser] 3

Foreign Language 3

CORE [Soc 110 Intro to Sociology] 3

Electives 5

17

Junior Year

1st Semester

PSc [Upper Division] 6

CORE [International Cultural Stu] 3

[Computer Literacy course selected with adviser's approval] 3

CORE [Humanities and Fine Arts] 3

15

2nd Semester

PSc [Upper Division] 9

Electives 8

17

Senior Year

1st Semester

PSc [Upper Division Electives] 9

Electives [Upper Division] 6

15

2nd Semester

PSc [Upper Division Elective] 6

Electives [Upper Division] 10

16

*Also meets a Core Curriculum requirement. [Department Recommendations]

For additional information contact:

Dr. Donald R. Youst

Office: Webster Hall 232

Phone: 625-9795

Course Descriptions

PSc 120 (F, S) 3 hrs. cr.

Government: U.S., State & Local

Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. A Core Curriculum requirement for all bachelor's degrees and prerequisite for all political science courses. Successful completion of this course fulfills the Missouri state requirements in constitutional study.

PSc 298 (Demand) Topics in Political Science Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty.	3 hrs. cr.	PSc 322 (S, Odd) International Law Rules and principles accepted by the members of the community of nations as defining their rights and duties and the procedures employed in protecting their rights and performing their duties.	3 hrs. cr.	PSc 496 (Demand) Internship in Political Science Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hrs. may be counted toward a major or minor.	3-8 hrs. cr.
PSc 300 Introduction to Political Science Methods The nature, possibilities and limitations of political inquiry emphasizing research methods and tools. A valuable course for students who wish to engage in nonlibrary types of research projects.	3 hrs. cr.	PSc 331 (F, Odd) Comparative Government: Europe An analysis of the governments of selected European countries emphasizing the development of their political systems both in theory and practice. Comparisons with American governmental institutions.	3 hrs. cr.	PSc 497 (Demand) Capital Internship Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. The student will live and work in the capital from the opening of the legislative session until its conclusion or the last day of MSSC's spring semester.	8 hrs. cr.
PSc 301 (F, Even) Political Parties and Elections (Writing Intensive) Analysis of the origins, structure and functions of political parties; the dynamics of the two-party system; the role of third parties and the election process.	3 hrs. cr.	PSc 332 (S, Even) Comparative Government: Latin America Governments and cultures of selected Latin American countries emphasizing the development of their political systems in both theory and practice.	3 hrs. cr.	PSc 498 (Demand) Seminar in Political Science (Writing Intensive) Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hrs. of upper division political science.	3 hrs. cr.
PSc 302 (F, Odd) Public Opinion and Pressure Groups (Writing Intensive) Origins, impact and measurement of public opinion. Scope, nature and powers of interest groups in American society with special attention to their role in formulating public opinion and public policy.	3 hrs. cr.	PSc 341 (S, Even) Municipal Government Structure, legal status, functions and organization of city, town and village government in the United States.	3 hrs. cr.	PSc 499 (F, S) Independent Study For students who wish to do an indepth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an adviser from the political science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean.	1-2-3-4 hrs. cr.
PSc 310 (Demand) Law, Society and the Judicial Process (Writing Intensive) American legal system viewed from a social and political as well as legal perspective. Focus on the structure and organization of courts, the processing of civil and criminal cases and the behavior of judges, lawyers and other participants in the judicial process.	3 hrs. cr.	PSc 342 (F, Even) Public Policy An introductory survey of the formulation, execution and evaluation of public policy in the United States.	3 hrs. cr.		
PSc 311 (Summer) American Presidency Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.	3 hrs. cr.	PSc 411 (F, Odd) Political Theory Selected Western political philosophies from early recorded history through the present time.	3 hrs. cr.		
PSc 312 (S, Even) Legislative Process Problems of representation, organization of the legislature, participation and proposals for improved organization. Emphasis on the Missouri General Assembly.	3 hrs. cr.	PSc 412 (S, Even) Contemporary Political Thought Twentieth century political ideas.	3 hrs. cr.		
PSc 320 (S, Odd) State Government General structure, theories, operation and problems of state government with special emphasis on the government of Missouri.	3 hrs. cr.	PSc 421 (F, Odd) Public Administration Administrative aspects of government; surveys the major subfields of public administration, i.e., politics and administration, organizational theory, organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation and administrative law.	3 hrs. cr.		
PSc 321 (F, Even) International Relations Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.	3 hrs. cr.	PSc 431 (F, Even) Constitutional Law I Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government and the First Amendment rights of freedom of expression.	3 hrs. cr.		
		PSc 432 (S, Odd) Constitutional Law II Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process, and equal protection clauses.	3 hrs. cr.		

Preprofessional

Police Academy 101, 625-9328

Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours. Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose this degree program.

Social Science

Webster Hall 245, 625-9564

Faculty Miller - Chair, Cebula, Geier, Gubera, Laas, Locher, Markman, St. Clair, Sale, Schmidt, Simpkins, Simpson, Sinha, Tannenbaum, Teverow, Yates, Youst

Within the social sciences are the disciplines of anthropology, geography, history, paralegal studies, political science and sociology.

Each discipline focuses on the study of some aspect or aspects of human societies: their history, government, social organization, laws, physical environment and/or cultural heritage. Students who major or minor in the social sciences prepare for a variety of graduate programs or careers, for example, in teaching, government, law, historic preservation, business, health and human services. Internships are especially helpful in establishing career objectives and obtaining practical knowledge. Social sciences students may apply for internships at the George Washington Carver National Monument, the Dorothea B. Hoover Historical Museum, as a social work minor, a paralegal studies minor, a political science minor, or a sociology major. Also, Missouri State Internships are available.

To satisfy the college-wide computer literacy requirements, the social science faculty suggests students complete Comp 105 Introduction to Microcomputer Use. Other computer literacy requirements apply to the bachelor of science with a major in sociology and to the bachelor of science in education with a major in social studies.

Minors are offered in each of the disciplines within the social sciences except anthropology. Two general social science minors are also available: a social science minor and a social studies for secondary education minor which qualifies students to teach in junior high and middle schools.

Minor in Social Science

		Semester Hours
Hist 110	U.S. History	3
Hist 120	U.S. History	
OR		
Hist 320	U.S. History	3
PSc 120	Gov't: U.S./State/Local	3

Geog	Elective	3
Soc or Anth Elective (100 - 200 level)		3
Select three (3) social science courses at the 300 - 400 level (other than Hist 320)		9
		24

Fifteen hours of these requirements apply to the Core Curriculum.

Minor in Social Studies for Secondary Education

Certification for Grades 9-12

This minor meets social studies requirements for certifying secondary education majors to teach grades 9 through 12. Students electing this minor must have a social sciences faculty adviser.

Social Studies

		Semester Hours
Hist 110	U.S. History	3
Hist 120	U.S. History	
OR		
Hist 320	U.S. History	3
Elective in American History		3
PSc 120	Gov't: U.S./State/Local	3
Hist 130	Western Civilization	3
Hist 140	Western Civilization	3
Econ 180	Amer Econ System	3
Geog 211	Regions and Nations	3
		24

Programs and Degree Offerings

See Geography (p. 88); History, (p. 89); Paralegal Studies, (p. 105); Political Science, (p. 109); and Sociology, (p. 112) for specific degree requirements, minors, A.A. paralegal program and suggested orders of study.

Sociology

Webster Hall 245, 625-9564

Faculty Miller - Chair, Geier, Gubera, Locher, Simpkins

A bachelor's degree with a major in sociology prepares the student for a variety of occupations and graduate programs. Selecting from three bachelor's degree programs including a bachelor of science in education, the student may choose to pursue many careers, for example, those in human and

social services, public safety occupations or teaching. Advanced graduate or professional school training could also be a choice for the student who successfully completes one of the bachelor degree programs. A sociology minor with an emphasis in social work is offered with classes focusing on human and social services. In addition, a sociology minor provides students majoring in other areas with special interpersonal, group and organizational knowledge and skills.

See page 112 for a minor in social sciences or the social studies in secondary education minor.

Sociology 110 is a prerequisite to many upper division courses in sociology.

Certain sociology courses may be used to satisfy Core Curriculum requirements. Sociology 110 is an elective for the requirement in Area 3C, Natural and Behavioral Sciences; Anth 155, 342 or Soc 304 meet the requirement in Area 5, International Cultural Studies.

Bachelor of Arts with a Major in Sociology

	Semester Hours
Core Requirements (p. 43) 51*	48
Foreign Language (four courses in one language)	12
Sociology Requirements	30
Soc 110 Intro to Sociology	3
Soc 210 Social Problems**	3
Soc 300 Computer App in Soc Sci	3
Soc 311 Social Stratification**	3
Soc 431 Sociological Research Methods**	3
Soc 482 Sociological Theory**	3
Soc Electives (6 hrs. must be upper division)	12
Supporting Requirements	9
Psy 320 Applied Statistics	3
Geo Elective	3
Comp 105 Intro to Micro Use	3
Supporting Area (approved by sociology adviser)***	15
Electives	14
	128****

*Required sociology course Soc 110 satisfies three hours of Core Curriculum requirements.

**See Prerequisites

***A minor is highly recommended.

****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science with a Major in Sociology

	Semester Hours	
Core Requirements (p. 43) 51*	48	
Sociology Requirements	36	
Soc 110 Intro to Sociology	3	
Soc 300 Computer App in Social Science**	3	
Soc 311 Social Stratification**	3	
Soc 361 Study of Population**	3	
Soc 362 Deviant Behavior**	3	
Soc 431 Social Research Methods**	3	
Soc 482 Sociological Theory**	3	
Soc Electives (9 hours must be upper division)	15	
Supporting Requirements	9	
Comp 105 Intro to Micro Use	3	
Psy 320 App Stat for Behavioral & Natural Sciences**	3	
Geog Elective	3	
Electives	35	
	128***	

*Required Sociology course 110 satisfies three hours of Core Curriculum requirements.

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in Social Studies

Sociology Emphasis Grades 9-12 Certification Plan B Single Teaching Field

	Semester Hours	
Core Requirements (p. 43) 51*	33	
Sociology Requirements	21	
Soc 110 Intro to Sociology	3	
Soc 221 Marriage and Family	3	
Soc 210 Social Problems**	3	
Anth 342 Comparative Cultures**	3	
Soc Electives (6 hours upper division)**	9	
Supporting Requirements	36	
Hist 110 U.S. History 1492-1877	3	
Hist 120 U.S. History 1877-Present	3	
OR		
Hist 320 U.S. History 1877-Present	3	
Hist 130 Western Civilization To 1660	3	
Hist 140 Western Civilization From 1660	3	
Hist Upper Division U.S. Electives** (not 320)	6	

Hist	Upper Division Asian Elective**	3
Geog 211	Regions and Nations	3
Geog	Upper Division Elective	3
PSc 120	Gov't; U.S./State/Local	3
PSc	Upper Division Elective**	3
Econ 180	Amer Econ System	3
Education Certification Requirements (p. 149)		40-41
		130-131

*Required courses in history, political science, sociology and economics satisfy major requirements and 18 hours of Core Curriculum.

**See Prerequisites

Minor in Sociology

	Semester Hours	
Soc 110 Intro to Sociology	3	
Soc Electives*	6	
Soc Electives - Upper Division*	12	
	21	

*Select with prior approval of a sociology adviser. See prerequisites where applicable.

Minor in Sociology with Emphasis in Social Work

	Semester Hours	
Soc 110 Intro to Sociology	3	
Soc 221 Marriage and Family	3	
Soc 210 Social Problems*	3	
Soc 306 Sociology of Aging*	3	
Soc 331 Intro to Social Work *	3	
Soc 332 Soc Work Practice**	3	
Soc 496 Internship**	3	
	21	

*See Prerequisites

**Admission dependent on departmental committee approval.

Suggested Order of Study

Bachelor of Arts Major Code 2208 Sociology Major

Freshman Year

1st Semester	Course	Hours
Soc 110	Intro to Sociology*	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Humanities and Fine Arts]	3
Foreign Language		3
Psy 120	College Orientation	1
		16

2nd Semester

Foreign Language		3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Bio 101 General Biology]	4
		16

Sophomore Year

1st Semester		
Soc 210	Social Problems**	3
Foreign Language		3
CORE	[Humanities and Fine Arts]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Comm 100 Oral Comm]	3
		15

2nd Semester

Soc	Elective	3
Foreign Language		3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Hist 120 U.S. History 1877-Present]	
OR		
CORE	[Hist 320 U.S. History 1877-Present]	3
		14

Junior Year

1st Semester		
Soc 311	Social Stratification**	3
Comp 105	Intro to Micro Use	3
CORE	[English Lit]	3
Psy 320	App Stat**	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Kine 103 Lifetime Wellness]	2
		15

2nd Semester

Supporting Area [A minor is suggested]		5
Soc 300	Comp App in Soc Sci**	3
Geog	Elective**	3
Electives		5
		16

114 / Sociology, Anthropology

Senior Year

1st Semester		
Soc 431	Sociological Res Methods**	3
Soc	[Upper Division Elective]	3
Supporting Area [A minor is suggested]		4
Soc	Electives	3
Elective		3
		16

2nd Semester

Soc 482	Sociological Theory**	3
Supporting Area [A minor is suggested]		6
Electives		7
		16

*Also meets a Core Curriculum requirement

**Prerequisites

[Department Recommendations]

The student is to select a supporting area in consultation with a sociology adviser.

Bachelor of Science

Major Code 2220

Sociology Major

Freshman Year

1st Semester			
Course		Hours	
Soc 110	Intro to Sociology*	3	
CORE	[Eng 101 Comp I]	3	
CORE	[Hist 110 U.S. 1492-1877]	3	
CORE	[Econ 180 Amer Econ Sys]	3	
Elective		3	
Psy 120	College Orientation	1	
		16	

2nd Semester

Comp 105	Intro to Micro Use	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Phys 100 Fund of Phys Sci]	5
		17

Sophomore Year

1st Semester		
Soc Elective with approval of adviser		3
CORE	[Math 110 College Math]	3
CORE	[English Lit]	3
Geog	Elective	3
CORE	[Bio 101 General Biology]	4
		16

2nd Semester

Soc	Elective	3
CORE	[Humanities and Fine Arts]	3
Elective		3
CORE	[Kine 103 Lifetime Wellness]	2
Elective	[A minor is suggested]	6
		17

Junior Year

1st Semester		
Soc 311	Social Stratification**	3
CORE	[Psy 320 App Stat]	3
Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 120 U.S. 1877-Present]	
OR		
CORE	[Hist 320 U.S. 1877-Present]	3
CORE	[Kine 101 Physical Activity]	1
		16

2nd Semester

Soc 362	Deviant Behavior**	3
Soc 361	Study of Population	3
Electives	[A minor is suggested]	7
Soc 300	Comp App in Soc Sci**	3
		16

Senior Year

1st Semester		
Soc 431	Soc Research Methods**	3
Soc	Electives	6
Elective	[A minor is suggested]	6
		15

2nd Semester

Soc 482	Sociological Theory**	3
Soc	Elective	3
Electives	[A minor is suggested]	9
		15

*Also meets a Core Curriculum requirement.

**Prerequisites

[Department Recommendations]

The student is to select a minor in consultation with a sociology adviser.

For additional information contact:

Dr. Conrad Gubera

Office: Webster Hall 228

Phone: 625-9653

Course Descriptions

Anthropology

Anth 155 (F) 3 hrs. cr.

Physical Anthropology and Archaeology

Physical and cultural anthropology with particular emphasis on the linkage of human prehistory to the development of culture and the human capacity for society. Can be used to satisfy the Core Curriculum requirement in Area 5.

Anth 298 (Demand) 3 hrs. cr.

Topics in Anthropology

Special Anthropology topics of current interest. Subjects and instructors may vary each semester. Students are encourage to submit areas of interest to the social science department.

Anth 342 (S) 3 hrs. cr.

Comparative Cultures

A comparative study of human society and culture, focusing on theories of culture and cultural institutions as they relate to contemporary preindustrial peoples. An ethnographic examination of representative groups is provided for purposes of cross-cultural comparison. Can be used to satisfy the Core Curriculum requirement in Area 5. Prerequisite: Soc 110 or Anth 155 or consent of instructor.

Anth 345 (Demand) 3 hrs. cr.

North American Archaeology

The study of the Physical and cultural anthropology of pre-historic North American with special emphasis on the cultural lifeways of pre-historic humans using archaeological evidence and interpretation.

Anth 498 (Demand) 3 hrs. cr.

Seminar in Anthropology

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research.

Anth 499 (Demand) 3 hrs. cr.

Independent Study

Stuctured by the adviser with approval of the department chair and school dean.

Sociology

Soc 110 (F, S) 3 hrs. cr.

Introduction to Sociology

A systematic study of society. Emphasis on major concepts of sociology and the scientific point of view in dealing with social phenomena. Satisfies a Core Curriculum requirement.

Soc 210 (F, S) 3 hrs. cr.

Contemporary Social Problems

A survey of contemporary social problems including racism, sexism, crime and deviance, drug use, and mental disorders. The course encourages a critical examination of society and focuses on the structural sources of social problems such as class, race, and gender. The role of the U. S. in global social problems is also explored. Prerequisite: Soc 110.

Soc 221 (F) 3 hrs. cr.

Marriage and Family

Paired relationships, marriage as the genesis of family life, elements in the preparation for marriage and parenthood and the development of family relationships throughout the life cycle.

- Soc 291 (F) 3 hrs. cr.
The Sociology of Death and Dying
 A review of the international religious, secular and scientific expressions regarding death. Historical and current issues pertaining to death are explored and a critical perspective is taken on all positions. The course incorporates both philosophical and pragmatic overviews of death and dying.
- Soc 298 (Demand) 3 hrs. cr.
Topics in Sociology
 Special sociology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social science department.
- Soc 300 (F,S) 3 hrs. cr.
Computer Applications in the Social Sciences
 An analysis of computers and their applications in the social sciences. Focus on preexisting software designed for use by social science disciplines. Emphasis on data entry, analysis and interpretation of printouts. Prerequisite: Comp 105 and Psy 320. Advised to be taken with Soc 432.
- Soc 301 (F) 3 hrs. cr.
Sociology of Religion
 Religion as a major social institution. Compares religions regarding behavioral content. Major attention is given to the nature of religion, organized religion and how religion is integrated into society. Limited attention given to the behavioral expectations associated with the major religions of the world. Prerequisite: Soc 110.
- Soc 303 (S) 3 hrs. cr.
The Arab World
 A social science view of the Arab world which identifies peoples, countries, geographical settings, cultural differences, cultural change, political and religious affiliations, and the emergence of contemporary issues. Special emphasis will be placed upon the Israel - Palestine - Jordan problem area. Can be used to satisfy the Core Curriculum in Area 5.
- Soc 306 (S) 3 hrs. cr.
Sociology of Aging
 A review of aging studies with particular emphasis on needs, problems, areas of concern, aging theories, social services for the elderly and accumulated data from gerontological research. Such topics as life changes, retirement and alternative life styles among the elderly will be analyzed. Prerequisite: Soc 110.
- Soc 311 (F) 3 hrs. cr.
Social Stratification (*Writing Intensive*)
 Examination of differences in power, privilege and prestige. Analysis of the nature and input of social inequality on people's lives within the United States and an overview of the complex array of social structures which comprise international systems of inequality. Theoretical explanation for the variations in social class usually incorporated in course requirements. Prerequisite: Soc 110.
- Soc 312 (S) 3 hrs. cr.
Juvenile Delinquency
 Analysis of environment and social background for juvenile delinquency behaviors. Investigation of behavioral content and scope of official delinquency. Review of the influences of family, school, peer groups and gangs, and the juvenile justice and corrections system. Prerequisite: Soc 110.
- Soc 322 (S) 3 hrs. cr.
Sociology of Work and Leisure
 Analysis of work, occupations, career mobility and job satisfaction as important elements in society. Examination of leisure activities which alter with technological advances and the changing economic base. Prerequisite: Soc 110.
- Soc 331 (F) 3 hrs. cr.
Introduction to Social Work
 Philosophical and historical development of social work as a professional career. Focuses on role of the social worker within the various practice settings. Will entail field trips and guest speakers. Prerequisite: Soc 110.
- Soc 332 (S) 3 hrs. cr.
Social Work Practice
 Emphasizes the development of skills needed to initiate, enhance, or restore relationships between clients and society. Focuses on techniques and case management, analysis of cases and practical experience in a social agency or community program providing human services. Admission dependent on departmental committee approval. Prerequisite: Soc 331 and junior standing.
- Soc 351 (F) 3 hrs. cr.
Criminology
 Social and legal concept of crime. Review of measurements and data of crime(s) and the theories related to the cause of criminal behaviors. Discussion of profiles of different adult offenders and their behavioral characteristics relative to the major felonies committed in contemporary society. Prerequisite: Soc 110.
- Soc 354 (S) 3 hrs. cr.
Sociology of Health and Illness
 Social causes and consequences of health and illness. The expanding role of health-related organizations, the training of health care personnel, and the contemporary consumer's movement, are also explored. A cross-cultural comparison of health care delivery systems and a review of various social problems associated with health care in the U.S. is provided. Prerequisite: Soc 110.
- Soc 361 (F) 3 hrs. cr.
The Study of Populations
 Changes in human population through an analysis of birth rates, death rates and migrations. Social demographic analysis of census and independent research data. Various population theories are applied to national and world situations. Concepts of over-population, minority groups and aging are analyzed. Prerequisite: Soc 110.
- Soc 362 (S) 3 hrs. cr.
Deviant Behavior
 Theoretical explanations of socially disapproved behavior from the sociological perspective and the application of these concepts to specific forms of deviance. Analysis of the social nature of conforming behavior as a way of increasing understanding of deviant behavior. Prerequisite: Soc 110 and Soc 210 (or) consent of instructor.
- Soc 382 (S) 3 hrs. cr.
Minority Groups and Race Relations
 A study of racial and cultural groups particularly focusing on the United States with some analysis of international ethnic relations. Analyzes several general theories and explanations for minority-dominant relations. Includes a study of legislation affecting minorities in the U.S. Prerequisite: Soc 110.
- Soc 391 (F) 3 hrs. cr.
Penology and Corrections
 Philosophy, history and operations of penitentiary systems with special attention given to changes in adult institutions. Explanation of the problems associated with prison populations and types of facilities along with sentences, therapeutic models and community treatment. Prerequisite: Soc 110.
- Soc 402 (S) 3 hrs. cr.
The Community - Rural and Urban (*Writing Intensive*)
 Social processes of human groups who share common unities of territory and cultural bonds. Major attention on gemeinschaft-gesellschaft theories as they pertain to national, rural, urban, ethnic and subcultural communities, and how these intertwine in contemporary societies. Prerequisite: Soc 110.
- Soc 406 3 hrs. cr.
Sociology of Child Abuse
 An analysis of child abuse and neglect as it has developed within the United States. The dynamics of the family environment as well as the victim-perpetrator relationship will be examined. Emphasis will be placed on societal reaction to both abuser and the abused in addition to the behavior itself. Potential treatment alternatives will be analyzed. Prerequisite: 12 hrs. of sociology.
- Soc 431 (F) 3 hrs. cr.
Sociological Research Methods (*Writing Intensive*)
 Methods of problem and hypotheses formulation and data collection, including interviewing and instrumentation. Focus on the analysis of research findings and ethical procedures. Emphasizes survey designs employed in sociological inquiry. Prerequisite: 12 hrs. of sociology.
- Soc 482 (S) 3 hrs. cr.
Sociological Theory
 Classical and contemporary theory placed in historical perspective. An analysis and interpretation of social groups, social organizations and social systems through the study of social thought from Auguste Comte to theorists in the modern period. Prerequisite: 9 hrs. of sociology.

Soc 496 (Demand) 1-8 hrs. cr.

Internship in Sociology

Observation of and participation in various social service agencies in the community. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating agency personnel. No more than three hours may be counted toward a major or minor. Prerequisites: 15 hrs. of sociology, junior standing or above and approval of a departmental committee.

Soc 498 (Demand) 3 hrs. cr.

Seminar in Sociology

For upper division sociology majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue indepth research and ability to assimilate topics. It will include areas not already treated in other sociology courses. Prerequisite: 15 hrs. of sociology or consent of instructor.

Soc 499 (Demand) 1-2-3 hrs. cr.

Independent Study

Structured by the adviser with the approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Enrollment in the course must be approved by department head and dean.

Secondary Education

Film Cartoon Director

Ministry

Magician

Theme Park Performance/Production

Factors Unique to Theatre Department:

1. hands-on experience for students in acting, house and stage management, directing and technical design-execution;
2. a children's theatre play program performing for more than 12,000 people annually from the four state area;
3. play participation open to all Southern students, faculty and staff;
4. theatre faculty members who have professional experience in their teaching specialties;
5. a modern, well-equipped mainstage theatre as well as flexible space for studio productions;
6. two theatre organizations: Backstage and Alpha Psi Omega, a national honorary fraternity.

The theatre department offers a bachelor of arts degree with a major in theatre and a bachelor of science in education degree with a major in theatre/speech (plan B). A minor in theatre is also available. During their senior year, all majors must take a final exam covering all areas of the theatre and present a creative exiting project in addition to participating in the college general assessment program.

To satisfy the college-wide computer literacy requirement, theatre majors earning a B.A. should complete Comp 105 or above. Those earning a B.S.E. must take Educ 301.

It is recommended that students pursuing a degree in theatre meet with their faculty adviser at least twice each semester, once in addition to planning their next semester's schedule. More detailed information is available in the theatre office, 243 Taylor Performing Arts Center.

Core Curriculum requirement in Area 2 Humanities and Fine Arts is fulfilled by Th 110 (Theatre Appreciation).

Bachelor of Arts with a Major in Theatre

	Semester Hours
Core Requirements (p. 43) 51*	42
Computer Literacy Requirement	
Comp 105 or above	3
Foreign Language (four courses in one language)	12
Theatre Requirements	46
Th 121,122,221,222 Theatre Laboratory (Select two)	4
Th 142 Theatre Technology	3
Th 231 Speech for Stage	3
Th 232 Costume Technology	3
Th 233 Stage Makeup	3
Th 234 Introduction to Theatrical Design	3
Th 241 Acting I (WI)	3
Th 331 History of Theatre (WI)	3
Th 332 History of Theatre (WI)	3
Th 341 Acting II**	3
Th 351 Directing I**	3
Th 362 Stage Costume Design**	3
Th 320 Lighting Design**	3
OR	
Th 361 History of Costume**	3
OR	
Th 372 Directing II**	3
Th 422 Acting III**	3
OR	
Th 431 Creative Dramatics	3
Th 441 Stage Design**	3
Supporting Requirements	9
Art 110 Art Appreciation	3
Mus 110 Music Appreciation	3
Hist 130 OR 140 Western Civ.	3
Electives	16
	128***

*In addition to meeting major requirements, Art 110 and Music 110 satisfy the Core Curriculum requirements in Areas 2A and 2C and Hist 130 or 140 satisfies the requirements in Area 5A.

**See Prerequisites

***Three Writing Intensive (WI) courses in addition to English composition must be included. Two of these must be upper division courses and one of the two must be in theatre.

A total of 40 upper division hours (300-400) are required, 24 specified in theatre and 16 electives in these areas. One upper division course must be selected from Area 4 or 5 of the Core Curriculum.

Theatre

Taylor Auditorium 243, 625-9393

Faculty Fields - Head, Claussen, D. Hunt, Jaros

Specialized theatre training provides students with a broad academic background that can lead to a number of careers. Graduates of the Missouri Southern theatre department are currently employed in fields such as:

Theatre Performance/Design
Television Production/Performance
Commercials
Public Relations
Stage Management
Graduate Study
Executive Leadership
Recreational Directorship
Technical Theatre
Personnel Management
Government Service
Fashion Industry
TV Anchor
Business
Computer Technology

**Bachelor of Science in
Education with a Major in
Theatre/Speech
Communications
Grades 9-12 Certification
Plan B Single Teaching Field**

	Semester Hours
Core Requirements (p. 43) 51*	48
Computer Literacy Requirements - Educ 301	3
Theatre Requirements	20
Th 121 or 122 or 221 or 222 Theatre Laboratory	2
Th 142 Theatre Tech	3
Th 212 Oral Interpretation	3
Th 234 Introduction to Theatrical Design	3
Th 241 Acting I (WI)	3
Th 331 History of Theatre (WI)	3
OR	
Th 332 History of Theatre (WI)	3
Th 351 Directing I**	3
Communication Requirements	12
Comm 101 Intro to Human Comm	3
Comm 215 Interpersonal Comm**	3
Comm 304 Small Group Comm	3
Comm 315 Argumentation and Debate**	3
Speech Communication Electives***	8
Education Certification Requirements (p. 149)	38-39
Electives	3
	131-132

*Required course in psychology counts 3 hours toward Core Curriculum requirements, Area 3C.

**See Prerequisites

***Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre. Students pursuing the BSE degree must receive no lower grade than a "C" in all required theatre/communication courses.

Minor in Theatre

	Semester Hours
Th 121, 122, 221, 222 Theatre Laboratory (Select two)	4
Th 110 Theatre Appreciation	3
Choose a total of 11 hours from the following list of classes:	11*
Th 141 Improvisational Acting	3
Th 142 Theatre Technology	3
Th 212 Oral Interpretation	3
Th 233 Stage Makeup	3
Th 234 Introduction to Theatrical Design	3

Th 231	Speech for Stage	3
Th 251	Audition Techniques for the Actor	1
Th 232	Costume Technology	3
Th 242	Theatre Movement	1
Th 311	Stage Management**	3
Th 241	Acting I (WI)	3
Th 243	Musical Theatre	3
Th 298	Explorations in Theatre (when offered)	3
Th 320	Stage Lighting**	3
Th 331	Theatre History (WI)	3
Th 332	Theatre History (WI)	3
Th 333	Eastern Theatre Tradition	3
Th 341	Acting II**	3
Th 351	Directing I**	3
Th 361	History of Costume**	3
Th 362	Stage Costume Design**	3
Th 372	Directing II**	3
Th 422	Acting III**	3
Th 435	Theatre Internship	1-3
Th 441	Stage Design**	3

*All courses must be selected with adviser approval. Six hours must be upper division.

**See Prerequisites

Suggested Order of Study

**Bachelor of Arts
Major Code 1007
Theatre Major**

Freshman Year

Course	Hours
1st Semester	
Th 121 Theatre Lab	2
Th 231 Speech For Stage	3
Th 233 Stage Makeup	3
CORE [Eng 101 Comp I]	3
CORE [Kine 103 Lifetime Wellness]	2
Psy 120 College Orientation	1
	14

2nd Semester

Th 142 Theatre Tech	3
Th 241 Acting I	3
CORE [Eng 102 Comp II]	3
CORE [Kine 101 Physical Activity]	1
CORE [Math 110 or above]	3
Th 212 Oral Interpretation	3
	16

Sophomore Year

1st Semester	
Th 341 Acting II*	3
Th 221 Theatre Lab	2
Th 251 Aud. Techniques for Actor or above Computer Literacy Requirement	3
CORE Art Appreciation	3
CORE [Literature Choice]	3
CORE [Hist 110 U.S. 1492-1877]	3
	18

2nd Semester

Th 422 Acting III*#	
OR	
Th 431 Creative Dramatics	3
Th 234 Intro to Theatrical Design	3
Th 320 Lighting Design *#	3
CORE Music Appreciation	3
CORE [Psy 100 or Soc 110]	3
CORE [Comm 100 Oral Comm]	3
	18

Junior Year

1st Semester	
Th 441 Stage Design*	3
Th 232 Costume Technology	3
Th 331 History of the Theatre	3
CORE [Bio 101 General Biology]	4
Foreign Language	3
	16

2nd Semester

Th 362 Stage Costume Design*	3
Th 332 History of the Theatre	3
CORE [Hist 120 U.S. 1877-Pres]	3
Foreign Language	3
CORE [Hist 140 West Civ]	3
	15

Senior Year

1st Semester	
Th 361 History of Costume*#	3
Th 351 Directing I**	3
CORE [Phys 100 Physical Science]	5
Foreign Language	3
	14

2nd Semester

Th 372 Directing II*#	3
Foreign Language	3
CORE [Econ 180 Amer Econ Sys]	3
CORE [PSc 120 Gov't:U.S./Sta/Loc]	3
Elective Th or Eng	3
	15

[Department Recommendations]

*See prerequisites

#May be substituted for approved class in tech or acting area

Supporting Electives:

Accounting, Art, Business, Communications, English, Music, Computer Science

118 / Theatre

For additional information contact:

Dr. Jay Fields

Office: Taylor Performing Arts Center 243

Phone: 625-9393

Bachelor of Science in Education

Major Code 0844

Speech and Theatre

Grades 9-12 Certification

Theatre Emphasis

Plan B

Single Teaching Field

Freshman Year

1st Semester

Courses	Hours
Educ 100 Orientation to Education I	1
Psy 100 General Psychology	3
Th 121 Theatre Lab	2
CORE [Eng 101 Comp I]	3
Psy 120 College Orientation	1
CORE [Comm 100 Oral Comm]	3
CORE [Kine 101 Physical Activity]	1
Elective	3
	17

2nd Semester

Th 142 Theatre Tech	3
Th 212 Oral Interpretation	3
Th 241 Acting I	3
CORE [Eng 102 Comp II]	3
CORE [Kine 103 Lifetime Wellness]	2
CORE [Math 110 or above]	3
	17

Sophomore Year

1st Semester

Take C-Base test.

Educ 200 Orientation to Education II	1
Comm 101 Intro to Human Comm	3
CORE [Hist 120 U.S. 1877-Pres]	3
CORE [Area 2-A Elective]	3
CORE [Area 2-C Elective]	3
CORE [Econ 180 Amer Econ Sys]	3
	16

2nd Semester

Apply for admission to teacher education.

Educ/Psy 302 The Exceptional Child	2
Educ 301 Computer Software	3
CORE [Hist 110 U.S.1492-1877]	3
Comm 215 Interpersonal Comm	3
Th 234 Intro to Theatrical Design	3
Psy 301 Adolescent Psychology	3
	20

Junior Year

Pass media competencies.

1st Semester

Th 331 History of Theatre	3
Psy 310 Educational Psychology	2
Educ 329 Ped Theo, Meth & Prac	4
Educ 321 Microteaching	2
Educ 423 Classroom Management	2
Comm 304 Small Group Comm	3
	16

Note: See Educ 420 below**

2nd Semester

Educ 422 Tchng Rdng in the Sec Sch	2
Comm Electives*	4
CORE [Phys 100 Physical Science]	5
CORE [PSc 120 Gov't: U.S./ Sta/Loc]	3
CORE [Area 2-B Elective]	3
	17

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for Professional Semester courses.

Th 351 Directing I*	3
Comm 315 Argumentation & Debate	3
CORE [Bio 101 General Biology]	4
CORE [Area 5-A Elective]	3
Comm Electives*	3
	16

2nd Semester

Educ 344 Tchng Spe & Th in Sec Sch	2
Educ 402 Foundations in Educ	2
Educ 432 Critical Issues	2
Educ 412 Indiv Curr Development (2)	
OR	
Educ 420 Intro to Counseling**	3
OR	
Psy 412 Meas & Eval (2)	2
Educ 462 Stu Tchng in Sec Sch	8
	16-17

[Department Recommendations]

*See prerequisites

**Offered at night only. Must be taken the semester prior to student teaching. Can substitute Educ 412 or Psy 412 for Educ 420.

For additional information contact:

Dr. Jay E. Fields

Office: Taylor Performing Arts Center 243

Phone: 625-9393

Course Descriptions

Th 101,102,201,202,301,302,401,402 (F, S, S)
1 hr. cr.

Theatre Performance

The performance of a role, service as a designer or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.

Th 110 (F, S, S)

3 hrs. cr.

Theatre Appreciation

Introduction to the what, why, how and who of theatre. Sessions deal with dramatic form, style and structure; the contributions of various theatre artists; and interpretation and evaluation of plays through scripts and live and taped performances. Provides knowledge and experience for personal enjoyment and evaluation of theatre art. Satisfies 3 semester hours of Core Curriculum requirement in humanities and fine arts, Area 2A or 2C.

Th 121,122,221,222,321,322 (F, S) 2 hrs. cr.

Theatre Laboratory

A laboratory devoted to mounting the theatre's season. Meets two hrs. in sequence twice a week.

Th 141 (Demand)

3 hrs. cr.

Improvisational Acting

Development of individual's ability to express motivation, objective, thought, action and dialogue improvisationally. Daily discussions and improvisational exercises which lead to more believable stage performance.

Th 142 (S, Even)

3 hrs. cr.

Theatre Technology

Hardware and tool usage and technical drawing as applied to theatre. The use of electricity, sound and electronics in the theatre. Stage rigging.

Th 212 (S, Even)

3 hrs. cr.

Oral Interpretation

Principles and techniques for the public presentation of oral reading. Selection, analysis and preparation of different types of literature with emphasis on platform presentation of prose, poetry, drama and Readers Theatre.

Th 231 (F, Odd)

3 hrs. cr.

Speech for Stage

Exercises and drills to improve projection, quality, flexibility and effectiveness of the speaking voice leading to good usage in Standard American speech, based on the International Phonetic Alphabet.

Th 232 (F, Odd)

3 hrs. cr.

Costume Technology

Basic techniques for construction of stage costumes from a designer's sketch. Areas covered are: fabrics, pattern development, cutting, sewing, dyeing and crafts. No previous skills required. Two hours lecture, 2-hrs. lab per week.

Th 233 (F, Odd)

3 hrs. cr.

Stage Makeup

Examination of the usages of stage makeup techniques in design and application. Detailed categories of professional makeup materials, usage techniques, sources and costs of material, and demonstrations of various methods of design and application. Each unit of lecture and demonstration will be accompanied by student individual and group study with projects presented in class for critical review. Students must provide individual makeup supplies.

Th 234 (S, Odd) 3 hrs. cr.

Introduction to Theatrical Design

Theoretical information which is common to all theatrical design courses. Emphasis is on developing creativity, script analysis, techniques of scenography, and collaboration, as well as the application of basic elements and principles of design in relation to the theatre.

Th 241 (S, Even) 3 hrs. cr.

Acting I (Writing Intensive)

Development of individual's ability to express thought and emotion through effective use of the voice and body. Character analysis and creation revealed in exercises and scene work.

Th 242 (S, Even) 1 hr. cr.

Theatre Movement I

Historical development and implementation of theatrical movement. Exercises and assignments focus on the enhancement of nonverbal character interpretation through individual study and in-class application of movement, gestures and postures, including an assimilation of cultural influences, pantomime, masque and improvisation. Two 1 hr. labs per week.

Th 243 (F, Odd) 3 hrs. cr.

Musical Theatre

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production the spring semester of that school year. Course also offered under Mus 243.

Th 251 (F, Even) 1 hr. cr.

Audition Techniques For The Actor

Techniques of auditioning and interviewing in the theatre: selecting audition pieces, rehearsing and performing auditions. Instruction in preparing resumes and photographs for professions.

Th 298 (Demand) 3 hrs. cr.

Exploration in Theatre

Concentrated study on a variety of selected theatre topics. Each offering on a different subject. May be repeated, but same topic only once.

Th 311 (F, Even) 3 hrs. cr.

Stage Management

Fundamentals of stage management. Organization of call board, rehearsals and performances. Communication procedures between actors, director and designers. Calling the show. Prerequisite: Th 142.

Th 320 (S, Odd) 3 hrs. cr.

Stage Lighting

Lighting design approached artistically. The use of lighting for atmosphere, mood and emphasis. Lighting as applied to art, television, theatre and motion pictures. Prerequisites: Th 142 & 234.

Th 331 (F, Odd) 3 hrs. cr.

History of the Theatre (Writing Intensive)

Theatre from primitive time through the Elizabethan period. Theatre and stage architecture, scene design, acting styles, theatre management and the culture surrounding the theatrical event. Analysis of their relationship to dramatic literature.

Th 332 (S, Even) 3 hrs. cr.

History of the Theatre (Writing Intensive)

Plays and playwrights from the Jacobean period through the present day. The cultural background and evolution of the literature, physical theatre, staging, acting, audiences, and production practices.

Th 333 (Demand) 3 hrs. cr.

Eastern Theatre Tradition

The study of Eastern thought and culture in the discipline of theatre. All areas of design as well as acting and movement will be discussed.

Th 341 (F, Even) 3 hrs. cr.

Acting II

The dynamics of analysis, rehearsal and performance of scenes from contemporary and classic plays. Emphasis on the actor's relationship to the play and to other actors. Prerequisite: Th 241.

Th 351 (F, Even) 3 hrs. cr.

Directing I

A comprehensive study of various problems confronting a stage director. Techniques and procedures for play selection, analysis and mounting a production. Scene directing. Prerequisite: Th 241.

Th 361 (F, Even) 3 hrs. cr.

History of Costume

Survey of the garments and fabrics worn in Western cultures from Ancient Greece through the 19th Century. Emphasis is on the social and economic reasons which caused styles to change. (Recommended as prerequisite for Stage Costume Design.)

Th 362 (S, Even) 3 hrs. cr.

Stage Costume Design

Theory and practical aspects of costume design. Emphasis on non-verbal communication of theme, character and historical period through rendered costume designs. Recommended prerequisite is History of Costume. Prerequisite: Th 234.

Th 372 (S, Odd) 3 hrs. cr.

Directing II

Study of the skills and role of a director, casting, production administration and director-actor relationship. Experience and group evaluation in directing one-act plays before departmental or public audience. Prerequisite: Th 351.

Th 422 (S, Odd) 3 hrs. cr.

Acting III

Lecture and laboratory study of physical manners and speech in relationship to various periods of theatre presentation. Prerequisite: Th 341.

Th 431 (S, Odd) 3 hrs. cr.

Creative Dramatics

Methods and techniques of teaching dramatic improvisations for young people through the exploration of various art forms appropriate for dramatic presentation with an emphasis on storytelling.

Th 441 (F, Odd) 3 hrs. cr.

Stage Design

Scene design approached artistically. Focus on nonverbal communication between directors, designers, technicians and audience members. Prerequisites Th 142 and Th 234.

Th 450 (F, S) 1-3 hrs. cr.

Advanced Lab Practicum

Advanced practical implementation of techniques learned at beginning and intermediate levels of theatre production in the areas of directing and design. Play production for public performance. May be repeated for credit.

Th 455 (Demand) 1-3 hrs. cr.

Theatre Internships

Internship in theatre provides selected students on-the-job training and experience. The student is supervised and evaluated by a committee of faculty and by the supervisor at the facility where the student works. May be taken twice.

Th 498 (Demand) 3 hrs. cr.

Theatre Studies

Seminar in theatre for advanced students. Topic open. Approval of department head. Prerequisite: Advanced standing in major field with a GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.

Th 499 (F, S) 1-3 hrs. cr.

Independent Study in Theatre

Structured by the adviser with approval of department head. Prerequisite: Advanced standing in major field with GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.

School of Business Administration

Accounting
Business Education
Economics & Finance
Entrepreneurship
General Business
Management
Management Technology
Marketing

School of Business Administration

School Dean

James M. Gray
Matthews Hall 302, (417) 625-9319

Degrees and Majors

Bachelor of Science in Business Administration

Accounting
Economics and Finance
General Business
Management
Management Technology
Marketing

Bachelor of Science in Education

Business Education as a single teaching field
Business Education as one of two teaching fields

Bachelor of Science in Management Technology

General Business
Manufacturing Information
Management Systems (MIMS)

Associate of Science

Accounting
General Business

Concentration

Entrepreneurship

Role

The aim of all activity in the School of Business Administration is to assist students in the development of those intellectual, personal and professional attributes which will prepare them to exercise responsibility in the complex business environment of the future. The faculty of the School of Business Administration recognizes that the pace of change in our society will quickly render vocationally oriented information and training obsolete and that the routine details and techniques of the world of work must be acquired through actual experience. The role of the School of Business Administration, therefore, is not to teach skill specific techniques or to offer training for the first job, but to provide the educational opportunity to allow students to develop familiarity with analysis, communications, leadership and interpersonal relations within the context of professional education for business administration.

Objectives

The objectives of the School of Business Administration are:

1. to maintain a relevant curriculum which will provide the necessary managerial and administrative education for the School of Business Administration graduates;
2. to prepare the School of Business Administration graduates for leadership roles by stimulating rigorous, imaginative, analytical and probing attitudes so that the graduates can express themselves competently and apply problem-solving techniques;
3. to provide a faculty committed to teaching excellence, community service and research;
4. to maintain facilities and equipment necessary to foster high quality education in the School of Business Administration;
5. to interact with the business community to identify and serve their educational needs and to provide opportunity for professional growth for our students and faculty.

Student Organizations

The Accounting Club is open to accounting students seeking information regarding the profession and association with practicing accountants. Members are encouraged to attend monthly technical meetings and social functions. Members are also encouraged to become active in one or more of the area's professional accounting organizations.

Economics and Finance Club is open to all economics and finance majors and has a National Honor Society designation for those economics and finance majors who have a cumulative GPA of 3.25 and at least six hours in finance.

Omicron Delta Epsilon is the honorary economics fraternity open to juniors with a 3.0 overall grade point average and at least 12 hours in economics, with a 3.0 in the economics courses.

Marketing Club is open to all majors who are interested in learning the skills of developing marketing relationships. The club facilitates members' professional development by introducing students to leading marketers, firms

engaged in marketing, field trips, and through club activities. Students learn leadership skills by participating in social and club activities.

Phi Beta Lambda is based on a set of goals which includes the development of competent and aggressive business leadership, creation of more interest and understanding of American business enterprise and participation in worthy undertakings for the improvement of business and citizenship. PBL is open to all business and computer science students and serves as a vehicle for professionals.

Pi Omega Pi is an honorary business education society open to students upon completion of at least three semesters of college courses including at least 15 hours in business and education subjects and the achievement of an average grade of "B" or higher in all courses in business and education.

Students in Free Enterprise (SIFE) is a non-profit corporation organized to promote the free enterprise system. The group participates in national competitions, finishing as high as second on two different occasions.

Society for Advancement of Management is a professional organization whose mission is to foster the interaction of students, faculty, and practicing managers in order to communicate the practice of professional management. The organization is open to all business majors, particularly management and marketing students, and offers its members a personal introduction to practicing managers in the local community.

The Society of Human Resource Management is based on a set of goals which includes familiarizing students with human resource administration, industrial psychology and labor relations. It is also designed to keep students up to date on new developments and to develop a nucleus of truly professional human resource for the future. The group is co-sponsored by the School of Business Administration.

Small Business Development Center

The School of Business Administration, in conjunction with the Small Business Administration, has formed a Small Business Development Center which encompasses the following areas:

The International Trade center

The mission of the International Trade Center in the School of Business has a dual purpose: 1. to develop international consulting and resources assistance for four-state organizations and individuals who are or wish to be involved in international trade; 2. to enhance the business curriculum by providing international resources, internship opportunities and other appropriate assistance for faculty and students.

The Total Quality Management Resource Center

The Total Quality Management Resource Center assists area organizations in their quest for continuous improvements of products, processes and services to enhance quality while reducing cost. This objective is met through assessment activities, research, educational programs, consulting, and serving as a clearing house for materials such as books, literature, tapes, and equipment.

The Southern Business and Economic Review

The Southern Business and Economic Review is published quarterly by the Small Business Development Center within the School of Business Administration. Each issue contains local economic indicators and articles of interest to local business people. The Bureau also maintains a data bank of economic statistics which is available to local business people.

Small Business Institute

The Small Business Institute allows students to consult with small businesses that request assistance. This provides valuable experience for our senior students. They are able to apply some of the theory they have learned to "real life" situations. The Small Business Administration funds the program and there is no charge to the businesses.

Business and Economic Lecture Series

The School of Business Administration sponsors an annual lecture series. Speakers of interest to both students and local business people appear each semester. Normally they

speak both during the day and the evening. J. Peter Grace and William S. Rukeyser are two of the prominent speakers who have appeared in the series.

Management Development Institute

The School of Business Administration has established a Management Development Institute to help local businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars for the local businesses.

Center for Entrepreneurship

The primary purpose of the Center for Entrepreneurship is to provide relevant and practical information concerning starting and running a small business. The Center also seeks to encourage new business start-ups by providing student consultants and faculty evaluation of business plans.

Business Core Requirements

All B.S.B.A. candidates must take the following "core" courses in addition to the courses required in their major (See course descriptions for prerequisites):

Business Administration Core Requirements

		Semester Hours
Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Econ 201	Prin of Economics-Macro	3
Econ 202	Prin of Economics-Micro	3
Econ 350	Financial Management	3
GB 301	Legal Environment of Business I	3
GB 320	Business Comm	3
GB 321	Business Statistics I	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management	3
MM 237	Managerial Data Proc	3
MM 452	Strategic Mgmt	3
	Advanced Business Elective*	3
Total Business Core		39

*Must be selected in consultation with adviser from 300 or 400 level courses in School of Business Administration. May not be "double counted" as part of major requirements. Mathematics - All candidates for the B.S.B.A. degree must complete Mathematics 130 or higher (Finite Mathematics 131 recommended) as their Core Curriculum mathematics course.

Minors (Accounting, Economics/Finance, General Business, Management, and Marketing) for non-BSBA degree candidates.

Minor in Accounting (Non BSBA degree candidate)

Required:

Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
GB 301	Legal Environment of Business	3
Econ 350	Financial Management	3
	Upper-level accounting electives	6

Choose one:

Acct 310	Cost Accounting	3
Acct 325	Managerial Accounting	3
Total for Minor (Accounting)		21

Minor in General Business

(non-BSBA degree candidates)

Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Econ 202	Prin of Economics-Micro*	3
Econ 350	Financial Management	3
MM 237	Managerial Data Processing	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management	3
Total for Minor (General Business)		21

Minor in Economics/Finance

(non-BSBA degree candidates)

Acct 201	Prin of Accounting I	3
Econ 201	Prin of Economics-Macro	3
Econ 202	Prin of Economics-Micro	3
Econ 300	Money and Banking	3
		12

Choose three:

Acct 202	Prin of Accounting II	3
Econ 330	Prin of Insurance	3
Econ 350	Financial Management	3
Econ 401	Microeconomic Analysis	3
Econ 402	Macroeconomic Analysis	3
Econ 411	Investments	3
Econ 420	Security Analysis	3
Econ 450	Financial Strategy	3
		9

Total for Minor (Economics/Finance) **21**

Minor in Management

(non-BSBA degree candidates)

Choose two:

Acct 201	Prin of Accounting I	3
Econ 201	Prin of Economics-Macro	3
Econ 202	Prin of Economics-Micro	3
GB 320	Business Comm (WI)	3
GB 321	Business Statistics I	3
MM 350	Prin of Management	3

Choose four:

MM 337	Mgmt Information Systems	3
MM 352	Human Resource Mgmt	3
MM 354	Total Quality Mgmt	3
MM 411	Labor Law	3
MM 431	Operations Mgmt	3
MM 441	Organizational Behavior	3
MM 450	The Psy of HRM	3

Total for Minor (Management)**Minor in Marketing**

(non-BSBA degree candidates)

Econ 202	Prin of Economics-Micro	3
Acct 201	Prin of Accounting I	3
GB 320	Business Comm (WI)	3
GB 321	Business Statistics I	3
MM 350	Prin of Management (WI)	3
MM 300	Prin of Marketing	3

Choose four:

MM 312	Retailing	3
MM 321	Salesmanship	3
MM 401	Promotional Strategy	3
MM 412	Marketing Management	3
MM 432	Consumer Behavior	3
MM 470	Marketing Research	3

Total for Minor (Marketing)

Minors (Accounting, Multimedia, and Total Quality Management) for BSBA degree candidates.

Minor in Accounting

(BSBA degree candidate)

Required:

Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
Acct 310	Cost Accounting	3
Upper-level accounting electives		9
Total for Minor (Accounting)		18

Minor in Multimedia**Required:**

MM 415	Virtual Marketing	3
Comp 110	Programming I	3
Art 101	Basic Design I	3
Comm101	Intro to Human Comm	3

Choose two*:

MM 337	Mgmt Info Systems	3
MM 401	Promotional Mgmt	3
MM 432	Consumer Behavior	3

Total for Minor (Multimedia)

*Other courses may be substituted with permission of adviser.

Minor in Total Quality Management**Required:**

Acct 201	Prin of Accounting I	3
MM 350	Prin of Management (WI)	3
MM 354	Total Quality Management	3
GB 405	Statistical Quality Control	3

Choose two:

Acct 325	Managerial Accounting	3
GB 321	Business Statistics I	3
GB 322	Business Statistics II	3
MM 352	Human Resource Mgmt	3
MM 431	Operations Management	3
Acct 310	Cost Accounting	3

Total for Minor (TQM)

*Econ 201 should be taken as a Core Curriculum requirement.

Accounting

Matthews Hall 309D, (417) 625-9607

Faculty Comstock, Goode, Paapanen, Roark, Shaver, Smith

The B.S.B.A. degree with the emphasis in accounting is designed to prepare the student to enter any area of the accounting profession, to successfully complete the Certified Public Accountant or other professional certification examination and to enter graduate school.

Prospective accounting majors should take note of new requirements for entry into the profession. Beginning in 1999, the State of Missouri will require 150 hours of college credit including an undergraduate degree before a candidate is allowed to sit for the Certified Public Accountant examination. Arkansas and Kansas, along with more than 35 other states, have similar requirements. Beginning in the year 2000, the American Institute of Certified Public Accountants will also require new members to have 150 semester hours of college credit. Accounting majors desiring to meet this requirement should note the "150-hour" recommended courses at the end of the B.S.B.A. suggested order of study or plan to attend graduate school.

The A.S. accounting program of study is designed to prepare the student for book-keeping tasks which are a part of the accounting function. Graduates of this program usually serve at the first level in accounting firms or private businesses.

A minor in accounting for both BSBA and non-BSBA degree candidates is also available.

Associate of Science with a Concentration in Accounting

	Semester Hours
Core Requirements (p. 43)	25-26
Accounting Concentration	36
Acct 201 Prin of Accounting I	3
Acct 202 Prin of Accounting II	3
Acct 312 Intermediate Accounting I	3
Acct 322 Intermediate Accounting II	3
Acct 375 Tax Accounting I	3
GB 301 Legal Environment of Business I	3
GB 320 Business Communications (WI)	3
Econ 201 Prin of Economics-Macro	3
Econ 202 Prin of Economics-Micro	3
MM 237 Managerial Data Processing	3
MM 350 Prin of Management (WI)	3
Elective selected from:	3
Acct 325 Managerial Accounting	
GB 302 Legal Environment of Business II	
GB 321 Business Statistics I	
Business Elective	3
Total	64-65

Bachelor of Science in Business Administration with an Emphasis in Accounting

	Semester Hours
Core Requirements (p. 43)	51
Business Core (p. 123)	39
Additional Business Core Requirements (Acct. majors only)	9
GB 322 Business Statistics II	3
Math 302 Calculus for Mgmt & Social Sciences	3
MM 431 Operations Management	3
Accounting Major	24
Acct 310 Cost Accounting	3
Acct 312 Intermediate Accounting I	3
Acct 322 Intermediate Accounting II	3
Acct 332 Intermediate Accounting III	3
Acct 375 Tax Accounting I	3
Acct 402 Advanced Accounting	3
Acct 411 Auditing	3
Upper-level Accounting Elective (must be chosen with adviser approval)	3
Electives	5

128

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0502 Accounting Emphasis

Freshman Year

1st Semester	Course	Hours
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sophomore Year

1st Semester		
Acct 201	Prin of Accounting I	3
CORE	[Econ 201 Econ-Macro]	3
MM 237	Managerial Data Processing	3
CORE	[Fine Arts (Art 110, Mus 110 or Th 110)]	3
CORE	[Hist 110 American History]	3
		15

2nd Semester		
Acct 202	Prin of Accounting II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262, 271, 272, 281 or 282)]	3
Math 302	Calc for Mgmt & Soc Sci	3
CORE	[Hist 120 American History]	3
		15

Junior Year

1st Semester		
Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
GB 301	Legal Envir of Bus I	3
GB 321	Business Statistics I	3
MM 350	Prin of Management (WI)	3
		15

2nd Semester

Acct 310	Cost Accounting	3
Acct 322	Intermediate Accounting II	3
GB 320	Business Comm (WI)	3
GB 322	Business Statistics II	3
MM 300	Prin of Marketing	3
		15

Senior Year

1st Semester		
Acct 332	Intermediate Accounting III	3
Acct 411	Auditing	3
Econ 350	Financial Management	3
CORE	[International Cultural Studies - GB 310 Intern'l Bus strongly recommended]	3
CORE	[Humanities & Fine Arts Elective] (See Core Requirements, page 43)	3
Upper-level	Business Elective (MM 337 Mgmt Infor Systems strongly recommended)	3
		18

2nd Semester

Acct 402	Advanced Accounting	3
Upper-level	Accounting Elective (Must be selected with adviser approval. Internships, independent studies and VITA will not fulfill this requirement.)	3
MM 431	Operations Management	3
MM 452	Strategic Management (WI)	3
Electives		5
		17

Total for B.S.B.A. degree

128

150-Hour Track

First Semester

Course		Hours
Acct 408	Tax Accounting II	3
Acct 431	Advanced Auditing	3
GB 420	Advanced Bus Comm	3
Econ 401	Microeconomic Analysis	3
		12

2nd Semester		
Acct 440	Profes & Ethics in Acct	3
Acct 499	Independent Study in Acct (to be arranged with adviser)	1
GB 302	Legal Envir of Bus II	3
Select one:		
Acct 418	Tax Accounting III	
Acct 420	Accounting Theory	
Acct 422	Advanced Cost Accounting	3
		10

Associate of Science

Major Code 5002

Accounting Concentration

Freshman Year

1st Semester	Course	Hours
Acct 201	Prin of Accounting I	3
CORE	[Eng 101 Comp I]	3
CORE	[PSc 120 or Hist 110]	3
CORE	[Math 30 or higher]	3
CORE	[Kine 103 Lifetime Wellness]	2
Business Elective		3
		17

2nd Semester

Acct 202	Prin of Accounting II	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Art 110, Mus 110, Th 110, Literature or Phil 201]	3
GB 320	Business Comm (WI)	3
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore Year

1st Semester		
Acct 312	Intermediate Accounting I	3
MM 237	Managerial Data Processing	3
GB 301	Legal Environment of Bus I	3
CORE	[Bio 110 or Phys 100]	4-5
CORE	[Econ 201 Econ-Macro]	3
		16-17

2nd Semester

Acct 322	Intermediate Acct II	3
Acct 375	Tax Accounting I	3
Econ 202	Prin of Econ-Micro	3
MM 350	Prin of Management (WI)	3
Business Elective (Acct 325, GB 302, GB 321)		3
		15

For additional information contact:

Dr. James Shaver

Office: Matthews Hall 309D

Phone: (417) 625-9607

Course Descriptions

Acct 201 (F, S) 3 hrs. cr.

Principles of Accounting I

Learn how accounting information is used by investors, creditors, managers and others in making decisions. Topics will be presented in a functionally integrated manner starting from a broad conceptual base and progressing to technical subjects. An interactive class environment will require the student to become an active participant in the learning process.

Acct 202 (F, S) 3 hrs. cr.

Principles of Accounting II

This course is a continuation of Principles of Accounting I.

Acct 310 (F, S) 3 hrs. cr.

Cost Accounting

Study of accounting cost systems providing information generation for managerial planning and control. Special emphasis is placed on Total Quality Management as applied to industrial and service enterprises. Prerequisites: Acct 202, MM 237, GB 321.

Acct 312 (F, S) 3 hrs. cr.

Intermediate Accounting I

First of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). The course is organized in three areas: (1) environment of financial accounting and basic theory underlying financial accounting; (2) accounting process from transaction analysis to financial statements; (3) accounting for assets. Prerequisites: Acct 202, MM 237.

Acct 322 (F, S) 3 hrs. cr.

Intermediate Accounting II

Second of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). Emphasizes topics in areas of: (1) accounting for liabilities and assets; (2) shareholders' equity and earnings per share; (3) financial statement reporting and analysis. Prerequisite: Acct 312.

Acct 325 (F, S) 3 hrs. cr.

Managerial Accounting

Use of accounting as a tool for the process of planning, controlling and decision making. Emphasis on where accounting data is obtained, what kind of information is needed and how it is used in the management process. This course may not be taken by the accounting major to satisfy accounting core requirements. Prerequisite: Acct 202.

Acct 332 (F, S) 3 hrs. cr.

Intermediate Accounting III

Third of three courses that comprehensively cover financial accounting concepts and standards for business enterprises (with emphasis on the corporation). Covers the following areas: income taxes, post-retirement benefits, leases, cash flows, earnings per share, accounting changes and errors, financial reporting/analysis and accounting for changes in prices. Prerequisite: Acct 322.

Acct 375 (F, S) 3 hrs. cr.

Tax Accounting I

Procedures for reporting federal income taxes with emphasis on income and deductions for individuals. Practice in preparing federal income tax returns. Prerequisite: Acct 202 or permission/and MM 237.

Acct 402 (F, S) 3 hrs. cr.

Advanced Accounting

Application of accounting principles of partnerships, branch accounting, business combinations, consolidated statements, segment reporting, reporting by multinational companies, bankruptcy and corporate reorganization, estates and trusts. Prerequisite: Acct 322

Acct 408 (Demand) 3 hrs. cr.

Tax Accounting II

Procedures for reporting federal income taxes with emphasis on corporations, partnerships, estates and trusts. Practice in preparing federal income tax returns of these business entities. Prerequisite: Acct 375.

Acct 411 (F, S) 3 hrs. cr.

Auditing

Overview of the certified public accounting profession with special attention to auditing standards, professional ethics, the legal liability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, the growing use of statistical sampling, and performing an audit. Prerequisite: Acct 322.

Acct 418 (Demand) 3 hrs. cr.

Tax Accounting III

Procedures for reporting federal income taxes with emphasis on family tax planning, international tax and multi-state tax reporting. In addition, tax research procedures will be used to integrate tax topics examined in Tax Accounting I and Tax Accounting II. Prerequisite: Acct 375.

Acct 419 (Demand) 3 hrs. cr.

Accounting Information Systems

A comprehensive study of the objectives, uses, evaluation and design of accounting information systems. The course is for students who will soon be assuming the responsibilities of professional accountants and need to know how accounting information systems function. Prerequisites: Acct 312 and MM 237 or equivalent.

Acct 420 (Demand) 3 hrs. cr.

Accounting Theory

Study of the theory of income, asset valuation and history of accounting thought. Critical discussion of the authoritative pronouncements of the Financial Accounting Standards Board. Provides a coherent set of logical principles that form the general frame of reference for the evaluation and development of sound accounting principles. Prerequisite: Acct 322.

Acct 421 (F, S) 3 hrs. cr.

Governmental and Nonprofit Accounting

Study of accounting principles, standards and procedures that apply to governmental entities. Primary emphasis is accounting for municipalities. Provides background for studying accounting systems of college and universities, hospitals and other nonprofit entities. Prerequisite: Acct 322.

Acct 422 (Demand) 3 hrs. cr.

Advanced Cost Accounting

Advanced study in decision models and cost information, system choice, strategy and management control. Special emphasis on total quality management and time related management control initiatives. Prerequisite: Acct 310.

Acct 431 (Demand) 3 hrs. cr.

Advanced Auditing

An integration of auditing concepts from Auditing I emphasizing specific applications of auditing principles and concepts. In addition, other specialized audit reports are examined including prospective financial statements and compilation and review engagements. Examination of internal and operational audits as well as special topics in auditing. Prerequisite: Acct 411.

Acct 440 (Demand) 3 hrs. cr.

Professionalism and Ethics in Accounting

A comprehensive examination of the ethical issues that may confront the student during their professional career. Provides a decision model for evaluating alternative courses of action when such dilemmas are encountered.

Acct 491 (Demand) 1-8 hrs. cr.

Internship in Public Accounting

Selected senior accounting students serve an internship of approximately 60 work hours per credit hour earned as junior accountants on the staff of practicing certified public accountants and/or private industry. Supervised by faculty. Oral and written reports required. Prerequisites: Acct 322, 401, 411 and/or consent of the internship committee. (Not more than 3 hrs. per semester)

Acct 498 (Demand) 1-3 hrs. cr.

Seminar in Accounting

For upper division accounting or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

Acct 499 (Demand) 1-3 hrs. cr.

Independent Study in Accounting

Individually directed readings, research and discussion in selected areas of accounting for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisite: Permission and a minimum 3.0 GPA.

Business Education

Matthews Hall 307B, (417) 625-9603

Faculty Block

Bachelor of Science in Education (Business Major)

The B.S.E. business major course of study prepares graduates to teach business as either a single or dual field at the secondary level.

Business education majors must have a cumulative GPA of 2.75 in all course work and must maintain a cumulative GPA of 2.75 in their business courses.

Bachelor of Science in Education with Business as a Single Teaching Field (Plan B)

	Semester Hours
Core Requirements (p. 43)	51
Education courses (p. 149)	41
Business Major	42
Acct 201 Prin of Accounting I	3
Acct 202 Prin of Accounting II	3
Accounting - Select one:	3
Acct 312 Intermediate Accounting I	
Acct 325 Managerial Accounting	
Acct 375 Tax Accounting	
Econ 201 Prin of Economics-Macro	3
Econ 202 Prin of Economics-Micro	3
GB 110 Computer Formatting*	3
GB 112 Computer Document Production*	3
GB 301 Legal Environment of Business I	3
GB 312 Prin of Business Educ	3
GB 320 Business Comm (WI)	3
MM 237 Managerial Data Processing	3
MM 300 Prin of Marketing	3
MM 337 Management Information Systems	3
MM 350 Prin of Management (WI)	3

134

Students can graduate with 128 hours if Psy 100 and Econ 201 are taken to fulfill college core requirements.

*Students having proficiency in keyboarding may ask to be tested. If advanced standing is granted in the subject, the student will substitute another course in order to meet the 42 hour requirement.

Bachelor of Science in Education with Business as One of Two Teaching Fields (Plan A)

	Semester Hours
Core Curriculum (p. 43)	51
Education courses (p. 149)	41
Business Major	30
Acct 201 Prin of Accounting I	3
Acct 202 Prin of Accounting II	3
Accounting - Select one:	3
Acct 312 Intermediate Accounting I	
Acct 325 Managerial Accounting	
Acct 375 Tax Accounting	
Econ 201 Prin of Economics-Macro	3
GB 110 Computer Formatting*	3
GB 112 Computer Document Production*	3
GB 301 Legal Environment of Business I	3
GB 320 Business Comm (WI)	3
MM 237 Managerial Data Processing	3
MM 337 Management Information Systems	3

*Students having proficiency in keyboarding may ask to be tested. If advanced standing is granted in the subject, the student will substitute another course to meet the 30 hour requirement.

Suggested Order of Study

Bachelor of Science Major Code 0838 Plan B-Single Teaching Field Business Education

Freshman Year

1st Semester	Course	Hours
	CORE [Eng 101 Comp I]	3
	CORE [Hist 110 U.S. History]	3
	CORE [Art 110, Mus 110 or Th 110]	3
	CORE [Psy 100 Gen Psychology]	3
	Educ 100 Orient to Educ I	1
	CORE [Kine 103 Lifetime Wellness]	2
		15

2nd Semester		
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Hist 120 or 320]	3
CORE	[Math 131 Finite Math]	3
GB 110	Computer Format (GB 105)	3
Educ 302	Exceptional Child	2
		17

Sophomore Year

1st Semester		
CORE	[Econ 201 Econ-Macro]	3
Acct 201	Prin of Acct I (Math 131)	3
CORE	[Bio 101 General Biology]	4
Educ 200	Orient to Educ II	1
CORE	[Literature (Eng 261, 262, 271, 272, 281, 282)]	3
CORE	[Kine 101 Physical Activity]	1
Psy 310	Educational Psychology	2
		17

2nd Semester

Acct 202	Prin of Acct II (Acct 201)	3
Econ 202	Prin of Economics-Micro	3
MM 237	Managerial Data Processing	3
CORE	[Phys 100]	5
CORE	[Comm 100 or 103]	3
		17

Junior Year

1st Semester		
Acct 312	Intermediate Accounting I	
OR		
Acct 325	Managerial Accounting	
OR		
Acct 375	Tax Accounting (Acct 202)	3
GB 301	Legal Environment of Bus I	3
Educ 321	Microteaching, Secondary	2
Educ 329	Ped Theo, Methods & Prac	4
Educ 423	Classroom Management	2
Psy 301	Adolescent Psychology	3
		17

2nd Semester

CORE	[Humanities and Fine Arts]	3
GB 112	Comp Doc Pro (GB 110)	3
GB 320	Bus Comm (WI) (Eng 102)	3
MM 300	Prin of Marketing (Econ 202)	3
Educ 422	Reading Secondary	4
		14

Senior Year

1st Semester		
CORE	[International Cultural Stu]	3
GB 312	Prin of Business Educ	3
MM 337	Management Info System	3
MM 350	Prin of Management (WI)	3
EDUC 301	Computer Software in Educ	3
		15

2nd Semester

Professional Semester		
Educ 336	Tchg Business, Secondary	2
Educ 402	Foundation of Educ	2
Educ 432	Critical Issues in Educ	2
Educ 462	Student Tchg Secondary	8
Psy 412	Measurement & Evaluation	2
		16

128 / Economics and Finance

[Department Recommendations]
(Prerequisites)

For additional information contact:
Dr. Beverly Block
Office: Matthews Hall 307B
Phone: (417) 625-9603

Economics and Finance

Matthews Hall 310E, (417) 625-9536

Faculty Eberhardt, Jaswal, La Near,
Larson, Marion, Miller, Rawlins, Schultz

The B.S.B.A. economics and finance major course of study is designed to prepare graduates for managerial positions in financial institutions, corporate research, forecasting, government and other public and private sector positions, as well as for graduate study.

Bachelor of Science in Business Administration with an Emphasis in Economics and Finance

	Semester	Hours
Core Requirements (p. 43)		51
Business Core (p. 123)		39
Economics and Finance Emphasis		18
Econ 300 Money and Banking	3	
Econ 411 Investments	3	
Two of the following:	6	
Econ 401 Microeconomic Analysis		
Econ 402 Macroeconomic Analysis		
Econ 450 Financial Strategy		
Advanced Econ/Fin Electives (selected in consultation with adviser from Econ/Fin courses numbered 300 or above)	6	
Electives		20
		128

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0504 Economics and Finance Emphasis

Freshman Year

1st Semester		Hours
CORE	[Eng 101 Comp 1]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sophomore Year

1st Semester		
Acct 201	Prin of Accounting I	3
CORE	[Econ 201 Prin of Econ-Macro]	3
MM 237	Managerial Data Processing	3
CORE	[Fine Arts (Art 110, Mus 110 or Th 110)]	3
CORE	[Hist 110 American History]	3
		15

2nd Semester

Acct 202	Prin of Accounting II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262, 271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
Elective		3
		15

Junior Year

1st Semester		
Econ 300	Money and Banking	3
Econ 350	Financial Management	3
GB 301	Legal Environment of Bus I	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
		15

2nd Semester

GB 320	Business Comm (WI)	3
GB 321	Business Statistics I	3
Econ 402	Macroeconomic Analysis	
OR		
Econ 450	Financial Strategy	3
Advanced Business Elective	(must be selected in consultation with faculty adviser from courses numbered 300 or above within the School of Business Administration)	3
Electives		6
		18

Senior Year

1st Semester		
Econ 401	Microeconomic Analysis	3
Econ 411	Investments	3
Advanced Elective in Econ	(selected in consultation with faculty adviser from courses numbered 300 or above)	3
CORE	[International Cultural Stu]	3
	(GB 310 strongly recommended)	
CORE	[Hum & Fine Arts Elective]	3
	(See Core Requirements, p. 43)	
Elective		3
		18
2nd Semester		
Econ 402	Macroeconomic Analysis	
or		
Econ 450	Financial Strategy	3
Advanced Electives in Econ	(selected in consultation with faculty adviser from courses numbered 300 or above)	10
MM452	Strategic Management (WI)	3
		16
		128

For additional information contact:
Dr. Duane O. Eberhardt
Office: Matthews Hall 310E
Phone: (417) 625-9536

Course Descriptions

Econ 180 (F, S) 3 hrs. cr.

The American Economic System

A core course on the goals, organization and operation of the U.S. economy. Topics include: scarcity and choice; the role of profits, savings, investment and competition as a pricing mechanism in the allocation of resources; the economic functions of government including fiscal and monetary policy tools used for macroeconomic stabilization; limitations of the market system; other types of economic systems; industrial organization of America's contemporary capitalistic economy including the activities of the business firm; and the rationale for international trade and the effects of trade barriers. Not for business majors or for those who have taken Econ 201 or 202.

Econ 201 (F, S) 3 hrs. cr.

Principles of Economics (Macro)

A basic course that explains the organization, operation and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination and stabilization of national income; unemployment and inflation; the role of money and monetary policy; international finance; and current economic problems. Prerequisites: Sophomore standing or permission, Math 130 or above.

Econ 202 (F, S) 3 hrs. cr.

Principles of Economics (Micro)

A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm or industry; cost and revenue implications of various product and factor market structures; and international trade. Prerequisite: Sophomore standing or permission, Math 130 or above.

Econ 300 (F, S) 3 hrs. cr.

Money and Banking

The nature, need, functions, role, creation and destruction of money and credit; financial institutions and their functions with special emphasis on the commercial banking system and the Federal Reserve system; introduction to monetary theory and policy; international aspects of money and monetary policy. Prerequisites: Econ 201.

Econ 330 (F) 3 hrs. cr.

Principles of Insurance

Survey of the fundamentals of insurance including risk management, interpretation of policies, property insurance, liability insurance, health insurance and life insurance. Prerequisite: Econ 201 and 202.

Econ 350 (F, S) 3 hrs. cr.

Financial Management

Study of the financial operating environment and financial analyses; risk and valuation, time value of money, capital budgeting, cost of capital and leverage, working capital management and dividend policy. Prerequisites: Econ 201 and 202, Acct 202, MM 237.

Econ 401 (F) 3 hrs. cr.

Microeconomic Analysis

The price system and resource allocation through a system of markets and prices; price and output determination in perfect and imperfect markets; resource markets and income determination. Prerequisites: Econ 201 and 202.

Econ 402 (S) 3 hrs. cr.

Macroeconomic Analysis

National income determination with various macroeconomic models; fiscal and monetary policy; international linkages; consumption and investment; economic growth. Prerequisite: Econ 300.

Econ 411 (F) 3 hrs. cr.

Investments

Principles underlying investment analysis and policy; salient characteristics of governmental and corporate securities; policies of companies and investing institutions; relations of investment policy to money markets and business fluctuations; security price-making forces. Prerequisite: Econ 350.

Econ 420 (S) 3 hrs. cr.

Security Analysis

A broad introduction to basic stock selection using fundamental analysis whereby "over" and "under" valued stocks are to be identified. The class will construct a common stock portfolio of 10 to 50 stocks. Other topics covered will include: basic schools of investment thought (EMH, fundamental, technical diversification, quality of earnings and factors affecting equity ownership.

Econ 450 (S) 3 hrs. cr.

Financial Strategy

Financial planning, capital budgeting under constraints of mutual exclusiveness and capital rationing, leverage (both operating and financial), debt financing, common stock (including dividend policy), preferred stock, leasing, mergers, LBO's, and international finance using a case study approach. Prerequisite: Econ 350.

Econ 491 (F, S) 1-8 hrs. cr.

Internship in Economics and Finance

An internship for senior Economics/Finance students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

Econ 498 (Demand) 1-3 hrs.

Seminar in Economics and Finance

Seminar for upper division majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Examples of seminars offered in the past are: 498-Seminar in International Economics 498-Seminar in Business Cycles 498-Seminar in Public Finance.

Econ 499 (Demand) 1-3 hrs. cr.

Independent Study in Economics-Finance

Individually directed readings, research and discussions in selected areas of economics and finance for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA.

Entrepreneurship

Matthews Hall 107B, (417) 625-9520

Faculty Bradshaw, Robinson

A concentration in entrepreneurship is offered for all students, regardless of major, to enhance success of small business start-ups. This concentration prepares the students to start their own businesses.

Requirements for a Concentration in Entrepreneurship:

	Semester Hours
Ent 201	Entrepreneurship - Developing a Business Plan 1
Ent 202	Entrepreneurship - Business Opportunities 1
Ent 203	Entrepreneurship - Legal Aspects 1
Ent 204	Entrepreneurial Financing and Information - Initial Capitalization 1
Ent 205	Entrepreneurial Financing and Information - Cash Flow Budgeting 1
Ent 206	Entrepreneurial Financing and Information - Micro-computer Applications 1
Ent 207	Accounting for the New Venture - Procedures 1
Ent 208	Accounting for the New Venture - Records 1
Ent 209	Accounting for the New Venture - Taxation 1
Ent 210	Managing the Small Business - The Management Process 1
Ent 211	Managing the Small Business - Strategic Planning & Organizing 1
Ent 212	Managing the Small Business - Human Relations 1
Ent 213	Marketing the Small Business - Promotion 1
Ent 214	Marketing the Small Business - Pricing 1
Ent 215	Marketing the Small Business - Merchandise/Inventory 1

General Business

Matthews Hall 309K, (417) 625-9671

Faculty Block, Bradshaw, Cragin, Goode, Gray, Johnson, Kleindl, Larson, Marion, Miller, Rusley, Srombom, Tiede, Vernon

The B.S.B.A. degree program in general business is intended to give the broadest possible background to the graduate and to prepare the graduate for managerial positions in the public and private sectors. The A.S. degree program prepares the graduate for first line supervisory and managerial duties.

Bachelor of Science in Business Administration with an Emphasis in General Business

	Semester Hours
Core Requirements (p. 43)	51
Business Core (p. 123)	39
General Business Emphasis:	18
Acct 325 Managerial Acct	3
Econ (selected from 300, 330, 401, 411, GB 322)	3
MM (selected from 352, 354, 410, 412, 431, 441)	3
MM (selected from 312, 321, 401, 412, 415, 432, 470)	3
MM 337 Management Information Systems	3
Advanced Business Elective (must be selected with adviser consultation & approval)	3
Electives	20
	128

Associate of Science in General Business

	Semester Hours
Core Requirements (p. 43)	25-26
General Business Concentration	27
Acct 201 Prin of Accounting I	3
Acct 202 Prin of Accounting II	3
Econ 201 Prin of Economics-Macro	3
Econ 202 Prin of Economics-Micro	3
GB 301 Legal Environment of Business I	3

GB 302 Legal Environment of Business II	3
MM 237 Managerial Data Processing	3
MM 300 Prin of Marketing	3
MM 350 Prin of Management (WI)	3
Business Electives (must be selected with approval of faculty adviser)	12
	64-65

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0501 General Business Emphasis

Freshman Year

Course	Hours
CORE [Eng 101 Comp I]	3
CORE [Math 131 Finite Math]	3
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Bio 101 General Biology]	4
CORE [Kine 103 Lifetime Wellness]	2
Psy 120 College Orientation	1
	16

2nd Semester

CORE [Eng 102 Comp II]	3
CORE [Phys 100 Fund of Phys Sci]	5
CORE [Comm 100 Oral Comm]	3
CORE [Psy 100 or Soc 110]	3
CORE [Kine 101 Physical Activity]	1
	15

Sophomore Year

Course	Hours
Acct 201 Prin of Acct I	3
CORE [Econ 201 Economics-Micro]	3
MM 237 Managerial Data Processing	3
CORE [Fine Arts (Art 110, Mus 110 or Th 110)]	3
CORE [Hist 110 American History]	3
	15

2nd Semester

Acct 202 Prin of Acct II	3
Econ 202 Economics-Micro	3
GB 321 Business Statistics I	3
CORE [Literature (Eng 261, 262, 271, 272, 281 or 282)]	3
CORE [Hist 120 American History]	3
CORE Elective	3
	18

Junior Year

Course	Hours
Acct 325 Managerial Acct	3
GB 301 Legal Environment of Bus I	3
GB 320 Business Comm (WI)	3
MM 300 Prin of Marketing	3
MM 337 Management Infor Systems	3
	15

Course	Hours
2nd Semester	
Advanced Elective in Econ/Fin (must be selected from Econ 300, 330, 401, 402, 411 or GB 322)	3
Advanced Elective in Management (must be selected from MM 352, 354, 410, 412, 431, or 441)	3
Econ 350 Financial Management I	3
Advanced Business Elective (must be selected in consultation with adviser from courses numbered 300 or above within the School of Business Administration)	3
MM 350 Prin of Management (WI)	3
Elective	3
	18

Senior Year

Course	Hours
1st Semester	
Advanced Elective in Marketing (must be selected from MM 312, 321, 401, 405, 412, 432 or 470)	3
CORE [International Cultural Stu]	3
(GB 310 Strongly recommended)	
CORE [Humanities and Fine Arts]	
(See Core Requirements, p. 43)	3
Electives	6
	15

2nd Semester

Advanced Business Elective (must be selected in consultation with faculty adviser from courses numbered 300 or above within the School of Business Administration)	3
MM 452 Strategic Management (WI)	3
Electives	10
	16
	128

Associate of Science

Major Code 5001

General Business Concentration

Freshman Year

Course	Hours
1st Semester	
Acct 201 Prin of Accounting I	3
CORE [Eng 101 Comp I]	3
MM 237 Managerial Data Processing	3
CORE [Psy 100 or Soc 110]	3
CORE [Math (30 or above)]	3
CORE [Kine 103 Lifetime Wellness]	2
	17

2nd Semester

Acct 202 Prin of Accounting II	3
CORE [Econ 201 Economics-Macro]	3
CORE [Hist 110 or PSc 120]	3
CORE [Comm 100 Oral Comm]	3
CORE [Art 110, Mus 110, Th 110, Literature or Phil 201]	3
CORE [Kine 101 Physical Activity]	1
	16

Sophomore Year

1st Semester

Business Electives (must be selected with adviser approval)			6
GB 301	Legal Environment of Bus I		3
Econ 202	Prin of Economics-Micro		3
MM 350	Prin of Management (WI)		3
			15

2nd Semester

GB 302	Legal Environment of Bus II		3
MM 300	Prin of Marketing		3
Business Electives (must be selected with adviser approval)			6
CORE	[Bio 101 or Phys 100]		4-5
			16-17

[Department Recommendations]

For additional information contact:

Dr. Alex Vernon

Office: Matthews Hall 309K

Phone: (417) 625-9671

Course Descriptions

GB 101 (F, S) 3 hrs. cr.

Introduction to Business

Modern American business, including a study of the capitalistic system, ownership and organization, management problems, marketing, finance, law and taxation. Not available for credit for those with more than 6 hrs. of business.

GB 105 (F) 3 hrs. cr.

Computer Keyboarding

Learn or review the proper techniques for alphabet and number keys. Letter styles, proper report formats, simple tabulations, and employment communications are taught using basic Word 6.0 commands. Speed and accuracy in editing are stressed so the student will acquire a personally useful skill.

GB 110 (F, S) 3 hrs. cr.

Computer Formatting

Covers all styles of business letters, reports, memos, and tables. Some of the advanced Word 6.0 commands used are: headers and footers, find and replace, report styles, advanced table features, templates, labels, mail merge, and sort. Prerequisite: GB 105 or a good knowledge of the keyboard and familiarity with word processing.

GB 112 (F, S) 3 hrs. cr.

Computer Document Production

Production of all types of letters, reports, business forms, legal forms, tables, and desktop publishing using Word 6.0. Realistic, integrated office projects are used. Prerequisite: GB 110 or equivalent.

GB 250 (Demand) 3 hrs. cr.

Word Processing Concepts/Applications

Introduction to the total concept of word processing as it relates to administrative services and machine technology in the modern business organization. Prerequisite: GB 105 Computer Keyboarding or equivalent.

GB 301 (F, S) 3 hrs. cr.

Legal Environment of Business I

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes the court systems and procedures, contracts, personal property and bailments, sales and commercial paper. Special emphasis on Missouri case-law and statutes.

GB 302 (F, S) 3 hrs. cr.

Legal Environment of Business II

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Brief overview of criminal law and tort law, government control and regulation, secured transactions, insurance, bankruptcy, agency and employment, partnerships, corporations, real property and estates. Prerequisite: Junior standing.

GB 310 (F, S) 3 hrs. cr.

International Business

Introduction to the intricacies and complexities of international trade and business. The course provides an overview of the international organizations and the effects of the foreign environment on international business. The course will focus on cultural differences; theories of international trade and economic development; international finance; marketing internationally and practical applications of starting and maintaining international business relationships. Prerequisites: Econ 180 or Econ 201.

GB 312 (F) 3 hrs. cr.

Principles of Business Education

Fundamentals of business education including curriculum, trends, equipment, materials, professional organizations and vocational programs. For business education majors only. (To be taken in fall prior to student teaching.)

GB 320 (F, S) 3 hrs. cr.

Business Communication (Writing Intensive)

Principles of writing effective letters, memos and reports to solve real-world situations. Emphasis on contemporary issues and the employment process. Prerequisites: 6 hrs. English Comp or permission of instructor.

GB 321 (F, S) 3 hrs. cr.

Business Statistics I

Methods of collection, analysis, interpretation and presentation of data related to business. Topics include frequency distribution, measures of central tendency and dispersion, regression and correlation analysis, probability concepts, sampling distributions, estimation procedures and hypothesis testing. Computer statistical packages will be utilized in analysis and application of problems. Prerequisite: Math 130, 131 or higher, MM 237.

GB 322 (S) 3 hrs. cr.

Business Statistics II

Methods of statistical analysis relating to business decision making and research in business and economics. Emphasizes sampling theory, parametric tests of hypotheses, analysis of variance, nonparametric tests of hypotheses, statistical quality control and other selected statistical techniques. Computer statistical packages will be utilized in analysis of problems. Prerequisite: GB 321.

GB 360 (Demand) 2 hrs. cr.

Professional Development

Development of employability and career skills will be emphasized focusing on tools necessary for employment, communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

GB 405 (Demand) 3 hrs. cr.

Statistical Quality Control

Theory and methods used in statistical quality control. Emphasizes basic statistical analysis, variables control charts, attributes control charts, interpretation of control charts, estimation of process parameters, gage capability, acceptance sampling, and service quality. Prerequisites: GB 321 or consent of instructor.

GB 498 (Demand) 1-3 hrs. cr.

Seminar in General Business

For upper division general business or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Seminar topics offered in the past include office machines, career orientation and human relations.

GB 499 (Demand) 1-3 hrs. cr.

Independent Study in General Business

Individually directed readings, research and discussions in selected areas of general business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA.

Management

Matthews Hall 309N, (417) 625-9518

Faculty Block, Bradshaw, Cragin, Gray, Johnson, Marion, Rozell, Stevens, Vernon

The B.S.B.A. degree with an emphasis in management is designed to prepare the graduate for entry level positions of responsibility in both the private and public sectors.

132 / Management, Management Technology

Bachelor of Science in Business Administration with an Emphasis in Management

	Semester Hours
Core Requirements (p. 43)	51
Business Core (p. 123)	39
Management Emphasis	18
Acct 325 Managerial Acct	3
MM 337 Management Information Systems	3
MM 352 Human Resource Mgmt	3
MM 431 Operations	3
MM 441 Organizational Behavior	3
Select One: (MM 354 TQM, 410 SBM, 411 Labor Law or 412 MKTG MGMT)	3
Electives	20
	128

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0507 Management Emphasis

Freshman Year

Course	Hours
CORE [Eng 101 Comp I]	3
CORE [Math 131 Finite Math]	3
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Bio 101 General Biology]	4
CORE [Kine 103 Lifetime Wellness]	2
Psy 120 College Orientation	1
	16

2nd Semester

CORE [Eng 102 Comp II]	3
CORE [Phys 100 Fund of Phys Sci]	5
CORE [Comm 100 Oral Comm]	3
CORE [Psy 100 or Soc 110]	3
CORE [Kine 101 Physical Activity]	1
	15

Sophomore Year

Course	Hours
Acct 201 Prin of Acct I	3
CORE [Econ 201 Econ-Macro]	3
MM 237 Managerial Data Processing	3
CORE [Fine Arts (Art 110, Mus 110 or Th 110)]	3
CORE [Hist 110 American History]	3
	15

2nd Semester

Acct 202 Prin of Acct II	3
Econ 202 Prin of Econ-Micro	3
CORE [Literature (Eng 261, 262, 271, 272, 281 or 282)]	3
CORE [Hist 120 U.S. 1877 - Pres]	3
Elective	3
	15

Junior Year

Course	Hours
Acct 325 Managerial Accounting	3
GB 301 Legal Environment of Bus I	3
GB 320 Business Comm (WI)	3
MM 350 Prin of Management (WI)	3
MM 337 Mgmt Information Systems	3
	15

2nd Semester

GB 321 Business Statistics I	3
Econ 350 Financial Management	3
MM 300 Prin of Marketing	3
MM 352 Human Resource Mgmt	3
Advanced Business Elective (must be selected in consultation with adviser from courses numbered 300 or above within the School of Business Administration)	3
Elective	3
	18

Senior Year

Course	Hours
1st Semester	
MM 431 Operations Management	3
MM 441 Organizational Behavior	3
CORE [International Cultural Stu]	3
(GB 310 Strongly recommended)	3
CORE [Humanities & Fine Arts Elective]	3
(See Core requirements, p. 43)	3
Electives	6
	18
2nd Semester	
Advanced Elective (MM 354, 410, 411, or 412)	3
MM 452 Strategic Management (WI)	3
Electives	10
	16
	128

[Department Recommendations]

For additional information contact:
Dr. Bill Stevens
Office: Matthews Hall 309N
Phone: (417) 625-9518

Management Technology

Matthews Hall 302, (417) 625-9319

Bachelor of Science in Management Technology with an Emphasis in General Business

The B.S. in management technology major course of study is for students who have already received an associate degree in a technical field or other technical preparation approved by the adviser and school dean and who desire to obtain the necessary business skills to become technical supervisors or first line managers. Students must apply for admission to the program in the first semester of the junior year.

General Business Emphasis

	Semester Hours
Core Curriculum (p. 43)	51
Two Year Technology Degree	36
Required Business Classes:	36
Acct 201 Prin of Accounting I	3
Acct 202 Prin of Accounting II	3
GB 301 Legal Environment of Business I	3
GB 302 Legal Environment of Business II	3
GB 320 Business Comm (WI)	3
Econ 201 Prin of Economics-Macro	3
Econ 202 Prin of Economics-Micro	3
Econ 350 Financial Management	3
MM 237 Managerial Data Processing*	3
MM 300 Prin of Marketing	3
MM 350 Prin of Management (WI)	3
MM 431 Operations Management	3

Two additional courses selected from: 6

Acct 325 Managerial Accounting	3
GB 321 Business Statistics I	3
GB 405 Statistical Quality Control	3
MM 352 Human Resource Management	3
MM 354 Total Quality Management	3
MM 401 Promotional Strategy	3
MM 412 Marketing Management	3
MM 452 Strategic Management (WI)	3

129

*Students obtaining an A.S. in computer science may not choose MM 237 as a required elective.

MIMS

Matthews Hall 302, (417) 625-9319

Bachelor of Science in Management Technology with an Emphasis in Manufacturing Information Management Systems (MIMS)

The School of Business Administration, in cooperation with the School of Technology, offers the bachelor of science in management technology with emphasis in manufacturing information management systems (MIMS).

The emphasis area is designed to recognize the revolution in the management of materials, production processes, personnel and information which has taken place in the last decade. This program takes advantage of the existing excellence Missouri Southern has achieved in the CADD and CAM areas and combines it with the latest advances in the business area as presented by course work in the School of Business Administration.

Students who complete this combination of courses will have been exposed to the new "World Class Management Technology" which will characterize manufacturing competition well into the next century.

MIMS Emphasis

	Semester	Hours
Core Curriculum (p. 43)		51
Associate of Science degree in Technical Studies and approval		36
School of Business Total		21
Acct 201 Prin of Accounting I	3	
GB 321 Business Statistics	3	
Econ 202 Prin of Economics-Micro (Core Requirement)	3	
MM 350 Prin of Management	3	
MM 354 Total Quality Management	3	
GB 405 Statistical Quality Control	3	
MM 431 Operations Management	3	

School of Technology Total	21
MIMS 310 Computer Production Planning/Control	3
MIMS 320 Applied Quality Control	3
MIMS 350 Industrial Supervision	3
CIS 315 Networking	3
MIMS 420 Manufacturing Computer Applications	3
MIMS 450 Electronic Data Systems	3
MIMS 490 Manufacturing Applications	3
	129

Suggested Order of Study

Bachelor of Science in Management Technology with an emphasis in Manufacturing Information Management Systems (MIMS)

Junior Year

Course	Hours
MIMS 310 Comp Prod Plan/Control	3
Acct 201 Prin of Accounting I	3
GB 321 Business Stats I	3
MM 350 Prin of Management	3
CORE [Eng 102 Comp II]	3
CORE [Econ 201 Econ-Macro]	3
	18

2nd Semester

MM 354 Total Quality Mgmt	3
GB 405 Statist Quality Control	3
MIMS 420 Mfg Computer Appl	3
CORE [Fine Arts/Humanities]	3
CORE [Bio 101 Gen Biology]	4
CORE [GB 310 Intro to Business]	3
	19

Senior Year

Course	Hours
CIS 315 Lan Mgmt	3
MM 431 Operations Mgmt	3
MIMS 320 Applied Stat Quality Ctrl	3
MIMS 350 Ind Supervision	3
CORE [Fine Arts/Humanities]	3
	15

2nd Semester

Econ 202 Prin of Econ-Micro	3
MIMS 450 Electronic Data Systems	3
MIMS 490 Mfg Appl	3
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Hist 120/320]	3
	15

For additional information contact:
Dean of School of Business Administration
Office: Matthews Hall 302
Phone: (417) 625-9319

For additional information on MIMS degree:
Dean of School of Technology
(See page 167 for course descriptions)
Office: EMS Building
Phone: (417) 625-9328

Students should consult the Dean of the School of Technology at the earliest possible date in order to incorporate the correct sequence into the appropriate associate of science degree program.

Course Descriptions

MM 237 (F, S) 3 hrs. cr.
Managerial Data Processing
Principles of information processing in the business environment. Covers components of personal and business information systems and introduction to DOS/Windows and industry standard application software packages (i.e. word processing and spreadsheet). Includes hands-on use of microcomputers.

MM 300 (F, S) 3 hrs. cr.
Principles of Marketing
Survey of major marketing methods, institutions and practices. Retailing, wholesaling, distribution channels, marketing legislation, advertising, marketing research and marketing cost are treated from the standpoint of consumers, middlemen and manufacturers. Prerequisite: Econ 202.

MM 312 (F) 3 hrs. cr.
Retailing
Principles of successful retail management, including managing retail operations, administration and control, location analysis, merchandising, promotion and review of the retail environment; with analytic and research methods applicable to retail problems. Prerequisite: MM 300.

MM 321 (F) 3 hrs. cr.
Salesmanship
Principles and methods of effective personal and industrial selling. Stresses practical aspects through actual sales presentation by the students who may be videotaped and critiqued according to basic selling principles. Prerequisite: MM 300.

MM 337 (F, S) 3 hrs. cr.
Management Information Systems
Familiarizes business students with management information systems, including proper selection of software and hardware components. Prerequisite: MM 237 or CIS 115 and 120.

MM 350 (F, S) 3 hrs. cr.
Principles of Management (*Writing Intensive*)
 A study of the planning, organizing, leading and controlling functions of management including global, social responsibility and ethical management challenges. Prerequisite: Eng 101/102) or Eng 111 & Junior standing.

MM 352 (F, S) 3 hrs. cr.
Human Resource Management
 Principles and practices of management with emphasis on the human factors, including procurement, development and maintenance of an effective work force. Prerequisite: MM 350 or consent of instructor.

MM 354 (F, S) 3 hrs. cr.
Total Quality Management
 Total Quality Management (TQM) is an overview of an evolving philosophy for continuous improvement of products, process and services to enhance quality while reducing costs. It is a management/technical/cultural approach to the integration of all systems and processes of an enterprise to achieve "customer" satisfaction. Prerequisite: MM 350, GB 321 or consent of instructor.

MM 401 (S) 3 hrs. cr.
Promotional Strategy
 Description of fundamental advertising and promotional principles and their application in mass marketing. Analysis of advertising media, the preparation of advertising and formulation of campaigns. Prerequisite: MM 300.

MM 405 3 hrs. cr.
Virtual Marketing
 Addresses the new technological environment that marketers are facing by introducing strategic considerations related to technology and technology implementation. Explores the basics of marketing exchange utilizing the information highway, multimedia techniques, database marketing, and interactive telecommunications, also gives students hands on experience with relevant software. Prerequisites: Principles of Marketing, Managerial Data Processing (or equivalent).

MM 410 (F, S) 3 hrs. cr.
Small Business Management Practicum
 A practical course in solving real problems in an actual business environment. Students provide counseling to small business firms through cases referred by the Small Business Administration. Course may be repeated for a total of six hours of credit. Prerequisite: Second semester junior or senior standing in business administration and permission of instructor. Application for admission to the course is required. Formerly GB 410.

MM 411 (Demand) 3 hrs. cr.
Labor Law
 Significant legislation and the accompanying case decisions which have a major impact on labor/management relations. Primary emphasis on the Labor-Management Relations Act, as amended, with special attention to establishment of the bargaining unit and unfair labor practices of both labor and management. Secondary emphasis on Fair Employment practices. Prerequisite: Junior standing. Formerly GB 411.

MM 412 (F) 3 hrs. cr.
Marketing Management
 Managerial aspects of marketing: problems involved in goal setting, planning and strategies as they apply to product policy, pricing objectives, promotional objectives, distribution policy and marketing intelligence. Prerequisites: MM 300 and MM 350.

MM 431 (F) 3 hrs. cr.
Operations Management
 Principles and decision analysis related to the effective utilization of the factors of production and operations in manufacturing activities for both intermittent and continuous systems. The study of operations management, analytical models and methods, facilities design and the use of computer modeling for control systems for effective production operations. Prerequisite: GB 321, Business Statistics I.

MM 432 (Demand) 3 hrs. cr.
Consumer Behavior
 An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchase of goods and services. The purchaser's psychological, economic and socio-cultural actions and reactions are stressed. Prerequisite: MM 300.

MM 441 (F, S) 3 hrs. cr.
Organizational Behavior
 A study of the organization, human behavior in organizational settings and the interface between them. Prerequisite: MM 350, Senior standing.

MM 450 (Demand) 3 hrs. cr.
The Psychology of Human Resource Management
 Traditional areas of human resource management/organizational psychology are addressed, including group interaction, communication, attitudes, interviewing, compensation and benefits and the legal environment. An interdisciplinary approach will be taken. The contents will be presented using both theory and experimental methods.

MM 452 (F, S) 3 hrs. cr.
Strategic Management (*Writing Intensive*)
 A capstone course integrating business disciplines with formal analyses of the organization's macro and industry environment; mission and goals; and strategy formulation, implementation and control using the case approach method. Prerequisites: Senior standing, MM 300, MM 350, Econ 350; must be taken during the last year of college work.

MM 470 (S) 3 hrs. cr.
Marketing Research
 The systematic gathering, recording, analyzing and presentation of data relating to market analysis, sales analysis, consumer research, advertising research and attitude research. Prerequisites: GB 321 and six hours of marketing.

MM 491 (F, S) 1-8 hrs. cr.
Internship in Marketing/Management
 An internship for senior marketing/management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

MM 498 (Demand) 1-3 hrs. cr.
Seminar in Marketing and Management
 Seminar for upper division marketing and management or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

MM 499 (Demand) 1-3 hrs. cr.
Independent Study in Marketing and Management
 Individually directed readings, research and discussions in selected areas of marketing and management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: GPA of 3.0 in major field and permission.



Matthews Hall 309H, (417) 625-9702

Faculty Blades, Cragin, Johnson, Kleindl, Miller

The B.S.B.A. with the marketing emphasis is intended to prepare graduates for positions in retailing, sales management, promotion, research and general administration.

Bachelor of Science in Business Administration with an Emphasis in Marketing

	Semester Hours
Core Requirements (p. 43)	51
Business Core (p. 123)	39
Marketing Emphasis	9
MM 412 Marketing Management	3
MM 432 Consumer Behavior	3
MM 470 Marketing Research	3
Choose Three [Optional Classes]	9
MM 312 Retailing	3
MM 321 Salesmanship	3
MM 401 Promotional Strategy	3
MM 405 Virtual Marketing	3

Electives

(Recommended)

MM 410 Small Bus. Practicum	3
MM 491 Internship	3
Acct 325 Managerial Accounting	3

20

consultation with adviser
from courses numbered 300
or above within the School of
Business Administration 3
15

Suggested Order of Study**Bachelor of Science in
Business Administration**

Major Code 0505

Marketing Emphasis**Freshman Year****1st Semester**

Course	Hours
CORE [Eng 101 Comp I]	3
CORE [Math 131 Finite Math]	3
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Bio 101 General Biology]	4
CORE [Kine 103 Lifetime Wellness]	2
Psy 120 College Orientation	1
	16

2nd Semester

CORE [Eng 102 Comp II]	3
CORE [Phys 100 Fund of Phys Sci]	5
CORE [Comm 100 Oral Comm]	3
CORE [Psy 100 or Soc 110]	3
CORE [Kine 101 Physical Activity]	1
	15

Sophomore Year**1st Semester**

Acct 201 Prin of Acct I	3
CORE [Econ 201 Econ-Macro]	3
MM 237 Managerial Data Processing	3
CORE [Fine Arts (Art 110, Mus 110 or Th 110)]	3
CORE [Hist 110 American History]	3
	15

2nd Semester

Acct 202 Prin of Acct II	3
Econ 202 Prin of Econ-Micro	3
CORE [Literature (Eng 261, 262, 271, 272, 281 or 282)]	3
CORE [Hist 120 American History]	3
Elective (must be selected in consultation with adviser from courses numbered 300 or above within the School of Business Administration)	3
	15

Junior Year**1st Semester**

GB 301 Legal Environment of Bus I	3
GB 321 Business Statistics I	3
MM 300 Prin of Marketing	3
MM 350 Prin of Management (WI)	3
Advanced Business Elective (must be selected in	

128**2nd Semester**

GB 320 Business Comm (WI)	3
MM 312 Retailing	3
MM 321 Salesmanship	3
Econ 350 Financial Management	3
Electives (must be selected in consultation with adviser from courses numbered 300 or above within the School of Business Administration)	6
	18

Senior Year**1st Semester**

MM 401 Promotional Strategy	3
MM 412 Marketing Management	3
CORE [International Cultural Studies] (GB 310 strongly recommended)	3
CORE [Humanities & Fine Arts Elective] (See Core Requirements p. 43)	3
Electives	6
	18

2nd Semester

MM 432 Consumer Behavior	3
MM 452 Strategic Management (WI)	3
MM 470 Marketing Research	3
Electives	7
	16
	128

[Department Recommendations]

For additional information contact:

Dr. Holland Blades

Office: Matthews Hall 309H

Phone: (417) 625-9702

The background of the entire page is a grayscale, high-contrast image of the American flag. The flag is draped and folded, creating deep shadows and bright highlights that emphasize the texture of the fabric. The stars and stripes are clearly visible, though the colors are in shades of gray. The flag appears to be waving or draped over something, giving it a sense of movement and depth.

School of Education

Kinesiology
Psychology
Teacher Education

School of Education

School Dean

Michael John Horvath
Taylor Hall 220, 625-9314

Degrees and Majors

Bachelor of Art

Psychology

Bachelor of Science

Health Promotion and Wellness
Psychology

Bachelor of Science in Education

Elementary Education
Middle School Education
Physical Education
Secondary Education

Role

The School of Education is comprised of three departments: Kinesiology, Psychology, and Teacher Education. The combined role of these departments involves mentors and scholars dedicated to human development and to shaping communities. Additionally, the school provides support courses in physical education and psychology for the core curriculum. All departments prepare students for professional careers and/or graduate school.

The faculty serve as professional mentors for their students by demonstrating current practices that have been developed from research. The faculty also contribute to the scholarly community through research and writing within their disciplines. The goal of the school is to provide an environment where scholars can expand their knowledge and apply new skills to shape communities.

Specific goals include:

1. To acquire a working knowledge and competency in the philosophical foundation of the discipline;
2. To provide cognitive, affective, and psychomotor learning in communication, problem solving, and values clarification;
3. To develop an understanding of how humans grow and develop. This understanding includes the theoretical basis for development and how this relates to behavior;

4. To internalize an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contribution made by various cultures;
5. To integrate and apply technology relative to research and professional productivity;
6. To develop awareness in the assessment of developmental and behavioral problems;
7. To develop humanitarian values, professional attitudes, and ethical standards.

Kinesiology

Robert E. Young Gymnasium 212
625-9316

Faculty Nelson - Head, Beard, Beeler, Conklin, Cooke, Corn, Evans, Frazier, Green, Hobbs, Lantz, Lipira, Oldham, Rutledge, Scheible, Townsend, Traywick, Turner, Vavra, Wilson

The department of kinesiology offers programs which prepare students for a variety of careers, including (1) physical education, (2) health promotion and wellness, (3) sports medicine/athletic training, and (4) coaching.

Physical Education

Students who desire certification as a teacher of physical education may become qualified at both the elementary and secondary level (K-12). Physical education K-12 majors should refer to page 146 where the requirements for Missouri Southern's teacher education program are described.

Health Promotion and Wellness

Students in the department of kinesiology may pursue a Bachelor of Science degree in Health Promotion and Wellness. Graduates in this major will be prepared to work with people and teach life-style strategies to prevent illness and improve the quality of life.

An important component of this course of study involves practical experiences with area businesses, hospitals, and the College's Wellness Program. Subsequent to the completion of the program, graduates may seek professional opportunities in the following areas:

- hospital health promotion/wellness programs
- corporate fitness/wellness programs
- fitness clubs
- YMCA, YWCA
- private trainer/wellness consultant
- graduate school
- certification from the American College of Sports Medicine

Students who wish to pursue the degree in Health Promotion and Wellness must have a cumulative GPA of 2.75 for all college course work prior to admission into Kine 495, Internship in Wellness.

Sports Medicine/Athletic Training

The department's Sports Medicine/Athletic Training Certification Program qualifies a student to take the national examination administered by the National Athletic Trainers Association (NATA). Subsequent to successful completion of this examination, the student is a Certified Athletic Trainer (AT,C). The program includes 1500 hours of clinical experience in the Missouri Southern Athletic Training Department.

Admission into the Sports Medicine/Athletic Training Certification Program is competitive and not all who apply will be accepted.

Application Requirements:

1. Completed application submitted to the Director of Sports Medicine/Athletic Training Certification Program (April 1 deadline).
2. Submission of official transcripts of high school and college courses.
3. Written narrative entitled - "Why I chose Athletic Training as my career goal".
4. Three letters of recommendation
5. Personal interview.

Selection Process:

1. High school cumulative GPA.
2. ACT score - 21 minimum.
3. Review of written narrative.

4. Letters of recommendation.
5. Previous athletic training experience.

Retention Requirements:

1. Cumulative GPA of 2.5 or higher.
2. GPA of 2.75 or higher in Sports Medicine/Athletic Training Certification courses.
3. Clinical evaluation of 3 or higher by Program Director (scale of 5).

Students who do not meet all criteria will be placed on probation for one semester and forfeit all financial aid from the Athletic Training Department. If at the completion of the probationary semester all standards still have not been met, the student will be dismissed from the Sports Medicine/Athletic Training Certification Program.

Coaching

Students majoring in any teacher education program may seek a minor in coaching. The 21 hour minor provides preparation for entry into coaching.

General Information

It is the policy of the department of kinesiology that majors and minors must be ambassadors of fitness and healthy life-styles. All majors should be conscientious of, and will be assessed on, cardiovascular function, muscular strength and endurance, flexibility, and body composition. Students majoring in kinesiology are required to dress appropriately (as indicated in the class syllabus) for all classes involving physical activity. Majors are strongly encouraged to become involved with professional clubs and organizations at the departmental, state, and national levels. Finally, departmental majors studying physical education K-12 will not receive endorsement for admission to the Teacher Education Program with any kinesiology grade lower than a "C".

The department's programs of study reflect guidelines from the American Alliance for Health, Physical Education, Recreation, and Dance, the National Association for Sport and Physical Education, Missouri Department of Elementary and Secondary Education, the NATA, the National Wellness Association, the American Red Cross, and requirements from the School of Education at Missouri Southern State College.

Programs

1. Bachelor of Science in Education With a Major in Physical Education K-12

	Semester Hours
Core Requirements (p. 43)	48
Psy 120 College Orientation	1
Physical Educ Requirements	48

Bio 306	Human Physiology and Anatomy	5
Kine 113	Wellness for Physical Educators	2
Kine 114	Fitness Programming and Assessment	2
Kine 251	Lifetime Activities I	3
Kine 252	Lifetime Activities II	3
Kine 255	Theory & Technique of Dance & Exercise	2
Kine 310	Theory & Technique of Elementary Physical Educ I	3
Kine 312	Theory & Technique of Elementary Physical Education II	3
Kine 321	Theory & Technique of Secondary Physical Education	3
Kine 332	Rhythmic Form and Analysis	2
Kine 335	History and Philosophy of Physical Education	2
Kine 340	Motor Learning in Physical Education	2
Kine 342	Kinesiology	3
Kine 345	Tests and Measurements in Physical Education	2
Kine 365	Psychological Aspects of Physical Education	2
Kine 366	Social Aspects of Physical Education	2
Kine 375	Adapted Physical Education	2
Kine 431	Physiology of Exercise	2
Kine 450	Prevention and Care of Injuries	3

Professional Certification Requirements

Educ 100	Orientation to Educ. I	1
Educ 200	Orientation to Educ. II	1
Educ 301	Use of Computer Software in the Classroom	3
Educ 321	Microteaching	2
Educ 329	Pedagogical Theory, Methods and Practice	4
Educ 338	Teaching Physical Educ. in Secondary School	2
Educ 402	Foundations of Educ.	2
Educ 422	Teaching reading in Secondary School	2
		37

Educ 423	Classroom Management	2
Educ 432	Critical Issues in Educ.	2
Educ 464	Student Teaching - EL-SEC (PK-12)	8
Psy 302	The Exceptional Child	2
Psy 305	Developmental Psychology	4
Psy 310	Educational Psychology	2
TOTAL		134

Suggested Order of Study

Bachelor of Science in Education Physical Education PK-12 Code 0822

Freshman Year

Fall Semester	Course	Hours
Kine 113	Wellness for Physic Educators	2
Eng 101	College Composition I	3
Educ 100	Orientation to Education I	1
Psy 100	General Psychology	3
Psy 120	College Orientation	1
Bio 121	General Zoology	4
Comm 100	Oral Communication	3
		17

Spring Semester

Kine 114	Fitness Prog & Assessment*	2
Eng 102	College Composition II*	3
Phys 100	Fund of Physical Science	5
CORE		6
		16

Sophomore Year

Fall Semester		
Kine 251	Lifetime Activities I*	3
Educ 200	Orientation to Education II	1
Bio 306	Human Phys & Anatomy*	5
Psy 310	Educational Psychology*	2
CORE		6
		17

Spring Semester

Kine 252	Lifetime Activities II*	3
Kine 255	Theory/Tech of Dance/Exercise*	2
Kine 335	History/Philosophy of P.E.*	2
Psy 302	The Exceptional Child*	2
CORE		9
		18

Junior Year

Fall Semester		
Kine 310	Theory/Tech of Elementary P.E. I*	3
Kine 321	Theory/Tech of Sec P.E.*	3
Kine 332	Rhythmic Form and Analysis*	2
Kine 340	Motor Learning in P.E.*	2
Psy 305	Developmental Psychology*	4
CORE		3
		17

Spring Semester

Kine 312	Theory/Tech of Elem P.E. II*	3
Kine 342	Kinesiology*	3
Kine 345	Tests/Measurements in P.E.*	2
Kine 366	Sociological Aspects of P.E.*	2
Educ 329	Ped Theory, Meth & Prac#	4
Educ 321	Microteaching#	2
Educ 423	Classroom Management#	2
		18

Senior Year

Fall Semester

Kine 365	Psy Aspects of P.E.*	2
Kine 375	Adapted Physical Educ.*	2
Kine 431	Physiology of Exercise*	2
Kine 450	Prevention & Care of Injuries*	3
Educ 301	Computer Software	3
Educ 422	Tchg Rdnng in Sec Schools	2
CORE		3
		17

Spring Semester

Educ 338	Teaching Physical Educ.	2
Educ 402	Foundations of Education	2
Educ 432	Critical Issues in Educ.	2
Educ 464	Student Teaching	8
		14

* Note prerequisite(s)

Application for Junior Block courses one semester in advance

2. Bachelor of Science in Health Promotion and Wellness

Semester Hours

Core Requirements (p. 43) 47

Psy 120 College Orientation 1

Health Promotion and Wellness Requirements 77

Bio 306	Human Physiology and Anatomy	5
Econ 202	Principles of Economics	3
GB 320	Business Communication	3
MM 300	Principles of Marketing	3
MM 350	Principles of Management	3
MM 352	Human Resource Management	3
MM 441	Organizational Behavior	3
Comp 105	Introduction to Microcomputer Use	3
Psy 221	Psychology of Personal Adjustment	3
Psy 343	Human Sexuality	3
Kine 113	Wellness for Physical Educators	2
Kine 114	Fitness Programming and Assessment	2
Kine 220	First Aid (CPR)	2
Kine 251	Lifetime Activities I	3
Kine 252	Lifetime Activities II	3
Kine 255	Theory and Technique of Dance and Exercise	2

Kine 292	Fitness and Weight Training	1
Kine 295	Orientation to Health Promotion and Wellness	1
Kine 305	Aging and Health	2
Kine 340	Motor Learning	2
Kine 342	Kinesiology	3
Kine 345	Tests and Measurements in Physical Education	2
Kine 375	Adapted Physical Education	2
Kine 385	Nutrition for Human Development	3
Kine 395	Practicum in Wellness	2
Kine 431	Physiology of Exercise	2
Kine 432	Physiology of Exercise Laboratory	2
Kine 450	Prevention and Care of Injuries	3
Kine 495	Internship in Wellness	6
Electives	(3 hours)	
TOTAL		128

NOTE: Students in the Health Promotion and Wellness Program must take Math 140 during the Core Curriculum. A minimum of 128 hours are required for graduation. Students in this program should consider the following courses as electives: Bio 380, Bio 431, Chem 101, Chem 300, Chem 351, Kine 160, Kine 451, Soc 291, and Soc 354.

Suggested Order of Study

Bachelor of Science in Health Promotion and Wellness Code 6000

Freshman Year

Course		Hours
Fall Semester		
Kine 113	Wellness for Phys Educators	2
Eng 101	College Composition I	3
Comm 100	Oral Communication	3
Bio 121	General Zoology	4
Math 140	Algebra and Trigonometry	5
Psy 120	College Orientation	1
		18

Spring Semester

Kine 114	Fitness Prog & Assessment*	2
Eng 102	College Composition II*	3
Comp 105	Intro to Microcomputer Use	3
Psy 100	General Psychology	3
CORE		6
		17

Sophomore Year

Fall Semester

Kine 220	First Aid (CPR)	2
Kine 251	Lifetime Activities I*	3
Bio 306	Human Phys and Anatomy*	5
Econ 202	Principles of Economics*	3
Psy 212	Psy of Personal Adjustment*	3
		16

Spring Semester

Kine 252	Lifetime Activities II*	3
Kine 255	Theory/Tech of Dance/Exercise*	2
MM 300	Principles of Marketing*	3
Phys 100	Fund of Physical Science	5
CORE		3
		16

Junior Year

Fall Semester

Kine 292	Fitness/Weight Training	1
Kine 295	Orient. to Health Prom/Wllns*	1
Kine 340	Motor Learning in P.E.*	2
Kine 431	Physiology of Exercise*	2
Kine 432	Physiology of Exercise Lab*	2
MM 350	Principles of Management*	3
CORE		3
		14

Spring Semester

Kine 305	Aging and Health*	2
Kine 342	Kinesiology*	3
Kine 345	Tests/Measurements in P.E.*	2
GB 320	Business Communication*	3
CORE		6
		16

Senior Year

Fall Semester

Kine 375	Adapted Physical Educ.*	2
Kine 385	Nutrition for Human Dev*	3
Kine 395	Practicum in Wellness*	2
Kine 450	Prevention/Care of Injuries*	3
MM 352	Human Resource Management*	3
Psy 343	Human Sexuality*	3
		16

Spring Semester

Kine 495	Internship in Wellness*	6
MM 441	Organizational Behavior*	3
CORE and Electives		6
		15

* Note prerequisite(s)

3. Sports Medicine/Athletic Training Certification Program

	Semester Hours
Bio 201 Human Anatomy	4
Bio 301 Human Physiology	4
Kine 220 First Aid (CPR)	2
Kine 342 Kinesiology	3
Kine 385 Nutrition for Human Development	3
Kine 431 Physiology of Exercise	2
Kine 450 Prevention and Care of Injuries	3
Kine 451 Advanced Athletic Training	2
TOTAL	23
<i>(plus 1500 hours clinical experience)</i>	

4. Minor in Coaching

	Semester Hours
Bio 306 Human Physiology and Anatomy	5
Kine 150 Rules and Officiating	3
Kine 342 Kinesiology	3
Kine 431 Physiology of Exercise	2
Kine 450 Prevention and Care of Injuries	3
Select a minimum of five hours from the following:	
Kine 260 Theory of Basketball	2
Kine 261 Theory of Football	2
Kine 262 Theory of Track and Field	2
Kine 263 Theory of Volleyball	2
Kine 264 Theory of Baseball	2
Kine 265 Theory of Coaching Soccer	1
TOTAL	21

Course Descriptions

Kine 100 (F) 1 hr. cr.
Individual Physical Education
 Adapted physical activity based on needs and ability of student. Students with certified medical disabilities may meet Core Curriculum requirement for physical education activity by completing this course.

Kine 101 (F,S) 1 hr. cr.
Introduction to Physical Activities
 Fundamental skills in individual or dual physical activities. Required course for Core Curriculum. Course meets twice each week.

Kine 103 (F,S) 2 hrs. cr.
Lifetime Wellness
 Contemporary information about the beneficial effects of a positive health life-style and how to implement and live such a life-style. Required course of Core Curriculum.

Kine 113 (F) 2 hrs. cr.
Wellness for Physical Educators
 Contemporary information about the beneficial effects of a positive health life-style and how to implement and live such a life-style. Required for and limited to Kine majors.

Kine 114 (S) 2 hrs. cr.
Fitness Programming and Assessment
 Designed to teach introductory theory and technique in exercise programming and testing. Techniques for conducting physical fitness assessments are studied. Tests of cardiorespiratory fitness, muscular strength and endurance, joint flexibility, body composition, and pulmonary capacity are addressed. Prerequisite: Kine 113.

Kine 150 (F,S) 3 hrs. cr.
Rules and Officiating of Team Sports
 Knowledge and skills for officiating basketball, volleyball, softball, baseball, and football; officiating laboratory required in some areas. Open to all students.

Kine 160 (F) 3 hrs. cr.
Personal Health
 Health problems on the individual, body mechanics, nutrition, drugs and drug abuse, sex hygiene, mental hygiene, and the cause and prevention of diseases. Not recommended for elementary education majors.

Kine 220 (F,S) 2 hrs. cr.
First Aid
 Designed to complete the standard course of the American Red Cross in First Aid.

Kine 222 (F,S) 1 hr. cr.
Varsity Cheerleading
 Activities: Cheerleading practice for cheers, chants, and stunts. Open only to MSSC cheerleaders; class meets twice each week.

Kine 251 (F) 3 hrs. cr.
Lifetime Activities I
 Study of the skills and understanding of selected lifetime activities: games, sports, and recreational activities commonly found in the school physical education curriculum. Students demonstrate minimum levels of proficiency. Enrollment restricted to Kine majors. Prerequisite: Kine 114.

Kine 252 (S) 3 hrs. cr.
Lifetime Activities II
 Skills and understanding of selected activities: sports and recreational activities. Students are required to demonstrate minimum levels of proficiency. Prerequisite: Kine 251.

Kine 255 (S) 2 hrs. cr.
Theory and Technique of Dance and Exercise
 Provides the prospective physical educator fundamentals necessary to teach areas of dance and exercise.

Kine 260 (S) 2 hrs. cr.
Theory of Basketball
 Organization and management of the secondary school basketball program. Systems of offense and defense in basketball. Study of rules, training schedule, and problems arising during training and regular playing season.

Kine 261 (F) 2 hrs. cr.
Theory of Football
 Attention to team play, systems of offense and defense, field strategy, discussion of the rules, training, and equipment.

Kine 262 (S) 2 hrs. cr.
Theory of Track and Field
 Organization and administration of meets, coaching, physical conditioning, and training for each event in track and field programs.

Kine 263 (F) 2 hr. cr.
Theory of Coaching Volleyball
 Organization and management of volleyball competition. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 264 (F) 2 hrs. cr.
Theory of Baseball
 Organization and management of a school baseball program including individual techniques, team play, and problems in coaching baseball.

Kine 265 (on demand) 1 hr. cr.
Theory of Coaching Soccer
 Organization and management of soccer competition. Systems of offense and defense, rules, strategy, and fundamentals of soccer are studied.

Kine 292 (F,S) 1 hr. cr.
Fitness and Weight Training
 Aimed at developing a student's personal weight training and aerobics program. May be used to meet Core Curriculum physical activity requirement.

Kine 295 (F) 1 hr. cr.
Orientation to Health Promotion and Wellness
 An orientation to health promotion and wellness. A 15 clock-hour field based component is a part of this class. Students will receive initial exposure to community and hospital health promotion and wellness programs as well as Southern's Wellness Program. Limited to Kine majors. Prerequisites: Kine 114 and Kine 220.

Kine 305 (S) 2 hrs. cr.
Aging and Health
 Investigates the health status of the elderly in the United States, how the older population has changed from the past, and how it may change in the future. Explore how exercise can retard some of the effects of aging. Prerequisite: Kine 103 or Kine 113.

Kine 310 (F) 3 hrs. cr.
Theory and Technique of Elementary Physical Education I

Procedures and techniques for planning and curriculum for elementary school physical education. Limited to Kine majors. Prerequisite: Kine 252.

Kine 311 (F,S) 2 hrs. cr.
Physical Education for the Elementary School

Methods and materials needed for directing games, skills, rhythm, and stunts for the elementary school child. Designed for elementary level teaching certificate candidates. Prerequisite: 30 hours.

Kine 312 (S) 3 hrs. cr.
Theory and Technique of Elementary Physical Education II

Analysis of basic movement patterns, basic skills, and rhythmic and game activities with detailed explanations of presentation to the elementary school child. Prerequisite: Kine 310.

Kine 321 (F) 3 hrs. cr.
Theory and Technique of Secondary Physical Education

Offers pedagogical considerations necessary to develop teaching methodologies relative to lesson plan construction, class organization, and evaluation of students. Teaching sessions will provide the opportunity to experience a variety of teaching methods and organizational styles. Enrollment restricted to Kine majors. Prerequisite: Kine 252.

Kine 325 (F,S) 1-8 hrs. cr.
Internship in Physical Therapy Procedures

Observation and participation in physical therapy procedures for patients in a medical facility. Prerequisites: one year of athletic training work, junior standing, and approval of departmental committee.

Kine 332 (F) 2 hrs. cr.
Rhythmic Form and Analysis

Analysis of dance forms showing how complex music and dance forms have evolved. Recommended for elementary education majors. Prerequisite: Kine 252 or permission.

Kine 335 (S) 2 hrs. cr.
History and Philosophy of Physical Education

Changing role of physical education from past to present as evidenced through the influence of the various philosophies. Prerequisite: Kine 252 or current enrollment in Kine 252.

Kine 340 (F,S) 2 hrs. cr.
Motor Learning in Physical Education

Study of motor learning to provide the teacher with the background necessary for identification of physical, mental, social, and emotional development of children and their effects on behavior movement. Recommended for teachers working with children with special problems. Prerequisite: 30 hours.

Kine 342 (S) 3 hrs. cr.
Kinesiological Approach to Movement

A kinesiological and mechanical approach to the structure and processes of human movement and their modification by inherent factors, by environmental events, and by therapeutic intervention. Students will develop a knowledge of human movement from a mechanical perspective. Prerequisite: Bio 306.

Kine 345 (S) 2 hrs. cr.
Tests and Measurements in Physical Education

Training and techniques of measuring and evaluating performance. Includes preparation and administration of skill and written tests along with statistical procedures for data analysis. Prerequisite: Psy 310.

Kine 365 (F) 2 hrs. cr.
Psychological Aspects of Physical Education (Writing Intensive)

Behavior exhibited in the learning of skills and physical performance related to psychological concepts connected with the demands of physical activities. Particular attention given to self-efficacy, motivation, and participation and their effect on physical performance and personal wellness. Prerequisite: Kine 252.

Kine 366 (S) 2 hrs. cr.
Social Aspects of Physical Education

Knowledge of the sociological aspects of physical activity relevant to physical education in schools. Particular attention given to the role of physical activity in social, ethical, and moral development of citizens. Prerequisite: Kine 252.

Kine 370 (F,S) 3 hrs. cr.
School Health Education (Writing Intensive)

Study of the content, facilities and equipment needed for teaching school health and safety. Should be taken by all elementary education majors. Separate sections on health and nutrition for children. Prerequisite: Educ 329 or current enrollment in Educ 329.

Kine 375 (F) 2 hrs. cr.
Adapted Physical Education

Provides information and practices to assist professionals in designing and implementing appropriate physical education for individuals with disabilities. Prerequisite: Kine 252 or permission.

Kine 385 (F,S) 3 hrs. cr.
Nutrition for Human Development

Nutrition associated with human development and performance, physiological and biochemical bases of nutrient absorption and utilization. Particular attention to evaluating and developing nutrition strategies for optimal child growth and development and exercise performance. Prerequisite: Bio 101 or Chem 100 or equivalent.

Kine 395 (F,S) 2 hrs. cr.
Practicum in Wellness

Students perform duties in the Missouri Southern State College Wellness Program. Experience will provide the student with the opportunity to apply skills and knowledge in the wellness program.

Student and faculty will develop a contractual agreement for specific learning experiences in the practicum. Prerequisite: Kine 295.

Kine 431 (F) 2 hrs. cr.
Physiology of Exercise

For students already having prerequisite knowledge of human physiology. Emphasis on human responses to varying levels of physiological conditioning and the environment within which the exercise is taken. Includes physiological principles to better understand human physiology under exercise stress. Prerequisite: Bio 306.

Kine 432 (F) 2 hrs. cr.
Physiology of Exercise Laboratory

Lab activities for students having a background in physiology. Emphasis on equipment and techniques used in the assessment of human response to exercise. Prerequisite: Bio 306.

Kine 450 (F,S) 3 hrs. cr.
Prevention and Care of Injuries

Designed to provide knowledge related to prevention, care and rehabilitation of injuries. Laboratory experiences included. Prerequisite: Kine 342.

Kine 451 (S) 2 hrs. cr.
Advanced Athletic Training

A study of professional relationships, pharmacology, special problems in athletics, exercise programs, and specific injuries to the upper and lower extremities. Practical learning experiences included. Prerequisite: Kine 450.

Kine 470 (F) 2 hrs. cr.
Administration of Physical Education

Organization and management of health and physical education in schools, scheduling, personnel, curriculum, finances, equipment, and facilities. Study of intramural programs. Prerequisite: 20 hours of Kine.

Kine 495 (S) 6 hrs. cr.
Internship in Wellness

Extensive, off-campus internship providing opportunity for students to be an integral component of a wellness or health promotion facility. Students and on-site supervisor will develop a contractual agreement that provides specific learning experiences for the internship. Prerequisites: health promotion and wellness major, application for experience at least one semester in advance, and consent of department committee.

Kine 498 (on demand) 1-3 hrs. cr.
Seminar in Health or Physical Education

A thorough study of an advanced problem in health or physical education for selected students. Prerequisites: senior standing, permission of department head.

Kine 499 (F,S) 1-3 hrs. cr.
Independent Study

Research of a problem or field of study relating to kinesiology. Material, content, credit, and schedule to be arranged by the department head. Prerequisites: senior standing, 3.0 GPA in major and permission of department head.

The following courses may be repeated three times:

Kine 161	(F) - Varsity Football	1 hr. cr.
Kine 162	(F) - Varsity Basketball	1 hr. cr.
Kine 163	(F) - Varsity Volleyball	1 hr. cr.
Kine 171	(F) - Varsity Cross Country	1 hr. cr.
Kine 172	(S) - Varsity Track & Field	1 hr. cr.
Kine 180	(S) - Varsity Golf	1 hr. cr.
Kine 182	(S) - Varsity Baseball	1 hr. cr.
Kine 183	(S) - Varsity Softball	1 hr. cr.
Kine 191	(F) - Varsity Soccer	1 hr. cr.
Kine 192	(S) - Varsity Tennis	1 hr. cr.
Kine 292	(S) - Fitness & Weight Training	1 hr. cr.

Psychology

Taylor Hall 206, 625-9315

Faculty Griffin-Head, Babbitt, Cole, Huffman, McDermid, Murdock, Paige

The psychology department offers two degrees: the bachelor of arts (B.A.) and the bachelor of science (B.S.). Both degrees have the same requirements in the core and psychology. The B.A. includes an emphasis on foreign language; while, the B.S. includes an emphasis in math or science. Both degrees prepare students for careers that require a broad liberal arts education at the bachelor's level. Recent graduates with the bachelor's degree (B.A. & B.S.) have entered careers in human and social services, research, and business. The B.A. and B.S. degrees provide an excellent foundation for students who wish to earn advanced graduate degrees in pursuit of a career in psychology. Almost half of the recent graduates have entered into master's or doctoral programs.

Many psychology courses are taken by students with other majors. PSY 100 fulfills a requirement in the Core Curriculum. Several degrees require supporting courses in psychology. Students may also obtain a minor in psychology.

Student Organizations

Psychology Club is open to all students who are interested in psychology. The club provides an informal setting for students to learn more about psychology. The club sponsors a wide variety of activities each semester.

Psi Chi is the national honor society in psychology. Psi Chi recognizes academic excellence and stimulates further scholarship. Psi Chi members are invited to participate in national and regional professional organizations. Locally the Psi Chi members share many activities with the Psychology Club.

Bachelor of Arts in Psychology

	Semester Hours
Core Requirements (p.43)	51
Foreign Language	12
Psychology Requirements	46

Psy 100	General Psy *	3
Psy 305	Devel Psy (4)	
OR		
Psy 300	Child Dev (3)	
AND		
Psy 301	Adols Psy (3)	4-6

Psy 320	Applied Statistics	3
Psy 325	Computers in the Behavioral Sciences	3
Psy 330	Experimental Psy	5
Psy 386	Learning Theory	3

Psy 411	Psychology of Sensation And Perception	
OR		
Psy 415	Animal Behavior	
OR		
Psy 442	Physiological Psy	3

Psy 341	Social Psychology	
OR		
Psy 422	Theories of Personality	3
Psy 390	Junior Seminar	1
Psy 443	Memory & Cognition	3
Psy 452	History & Systems of Psychology	3

Psy 481 Senior Thesis 3

Psychology Electives 9
Supporting Area 15

The supporting area requires at least 15 hours in one of the following areas: music, economics/finance, English/literature, history, journalism, law enforcement, marketing/management, military science, political science, sociology, or other area approved by the adviser and the department.

Elective 10
128

*meets a 3 hour core requirement

Bachelor of Science in Psychology

		Semester Hours
Core Requirements (p.43)		51
Psychology Requirements		46
Psy 100	General Psychology *	3

Psy 305	Devel Psychology (4)	
OR		
Psy 300	Child Dev (3)	
AND		
Psy 301	Adolscent Psy (3)	4-6
Psy 320	Applied Statistics for The Behavioral Science	3
Psy 325	Computers in the Behavioral Science	3
Psy 330	Experimental Psychology	5
Psy 386	Learning Theory	3

Psy 411	Psychology of Sensation And Perception	
OR		
Psy 415	Animal Behavior	
OR		
Psy 442	Physiological Psychology	3

Psy 341	Social Psychology	
OR		
Psy 422	Theories of Personality	3

Psy 390	Junior Seminar	1
Psy 443	Memory & Cognition	3
Psy 452	History and Systems of Psychology	3
Psy 481	Senior Thesis	3
Psychology Electives		9

Supporting Area 15

The supporting area requires at least 15 hours of one of the following areas: biology, chemistry, computer science, criminal justice, mathematics, physics, or other area approved by the adviser and the department.

Additional hours of science	9
Electives	10

*meets a 3 hour core requirement

128

144 / Psychology

Minor in Psychology

Psy 100	General Psychology	3
Psy 305	Developmental Psychology (4)	
OR		
Psy 301	Adolescent Psychology (3)	
OR		
Psy 300	Child Development (3)	3-4
Psy 320	Applied Statistics for the Behavior Science	3
Psychology Electives*		11-12
		21

*Select with approval of a psychology adviser.

A minor in psychology complements many majors providing knowledge and skills concerning personal, interpersonal, and group behavior. A psychology adviser will help students minoring in psychology to select method and content courses appropriate to their goals.

Suggested Order of Study

Bachelor of Arts

Major Code 2001

Psychology Major

Freshman Year

1st Semester		Hours
Course		
Psy 100	General Psychology	3
Psy 120	College Orientation	1
CORE	[Eng 101 Comp 1] WI	3
CORE	[Math 110, 130, 131]	3
CORE	[Core Electives]	5
		15

2nd Semester

Psy 305	Developmental Psy	4
CORE	[Eng 102 WI (Eng 101)]	3
CORE	[Bio 101 Gen Bio]	4
CORE	[Core Electives]	6
		17

Sophomore Year

1st Semester		
Psy 320	Applied Stat (Psy 100)	3
Psy 341	Social Psychology*	
OR		
Psy 411	Sensation & Perception*	
OR		
Psy 415	Animal Behavior*	3
CORE	[Core Electives]	6
Foreign Language		3
		15

2nd Semester		
Psy 325	Comp in Behav Sci(Psy320)	3
Psychology Elective		3
Supporting Area		6
CORE	[Core Elective]	3
Foreign Language		3

Junior Year

1st Semester		
Psy 330	Exper Psy WI (Psy 325)	5
Supporting Area		3
CORE	[Core Elective]	4
Foreign Language		3
		15

2nd Semester			
Psy 390	Junior Seminar**	WI	1
Psy 442	Physiological Psy**		
OR			
Psy 422	Theories of Personality**		3
Psy 386	Learning Theory (Psy 320)**		3
Supporting Area			
CORE	[Core Elective]		2
Foreign Language			
			3
			18

Senior Year

1st Semester		
Psy 451	Lrn,Mem&Cog(Psy330)*	3
Psychology Elective		6
Elective		3
CORE	[CORE Elective]	3
		15

2nd Semester		
Psy 452	History & Sys (Psy330)**	3
Psy 481	Senior Thesis WI	3
CORE	[CORE Elective]	3
Electives		6
		15

*Offered fall semester only
 **Offered spring semester only
 (Prerequisites)
 [Department Recommendations]

Bachelor of Science

Major Code 2000

Psychology Major

Freshman Year

1st Semester		Hours
Course		
Psy 100	General Psychology	3
Psy 120	College Orientation	1
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 110,130 or 131]	3
CORE	[CORE Electives]	5

2nd Semester		
Psy 305	Developmental Psy	4
CORE	[Eng 102 (Eng 101)]WI	3
CORE	[Bio 101 Gen Biology]	4
CORE	[CORE Electives]	6
		17

Sophomore Year

1st Semester		
Psy 320	Applied Stat (Psy 100)	3
Psy 341	Social Psychology*	
OR		
Psy 411	Sensation & Perception*	
OR		
Psy 415	Animal Behavior*	3
CORE	[CORE Electives]	6
Science		3

2nd Semester		
Psy 325	Comp in Behav Sci (Psy320)	3
Psychology Elective		3
Supporting Area		6
CORE	[CORE Elective]	3
Science		3
		18

Junior Year

1st Semester		
Psy 330	Exper Psy WI (Psy325)	5
Supporting Area		3
CORE	[CORE Electives]	6
Science		3
		17

2nd Semester			
Psy 390	Junior Seminar**	WI	1
Psy 442	Physiological Psy**		
OR			
Psy 422	Theories of Personality**		3
Psy 386	Learning Theory		3
Supporting Area			6
CORE	[CORE Electives]		3
			16

Senior Year

1st Semester		
Psy 443	Mem & Cog (Psy 330)*	3
Psychology Elective		6
CORE	[CORE Electives]	3
Elective		3
		15

2nd Semester		
Psy 452	His & Systems (Psy330)**	3
Psy 481	Senior Thesis WI	3
CORE	[CORE Elective]	3
Electives		6
		15

*Offered fall semester only
 **Offered spring semester only
 (Prerequisites)
 [Department Recommendations]

Other Requirements
 Nine hours are required from math, computer science, chemistry, biology and/or physics, in addition to all other requirements. These replace the foreign language requirement.

For additional information contact:
 Dr. Betsy Q. Griffin
 Office: Taylor Hall 209
 Phone: 625-9306

Course Descriptions

Psy 100 (F,S) 3 hrs. cr.
General Psychology

Introductory course stressing the importance of the psychological mechanisms underlying all human behavior. Satisfies the CORE Curriculum requirement.

Psy 100 (F) 3 hrs. cr.
General Psychology-Honors

Basically the same topics as general psychology above. Designed and specially taught for honors students. Other students permitted with consent of instructor.

Psy 105 1 hr. cr.
Self-Awareness and Career Planning

Materials and methods to help students investigate their present lifestyles including concrete methods of decision making and goal setting. Concentrated career/vocational choice sessions will help students determine an appropriate career. Offered during the second half of each semester. No credit toward psychology major.

Psy 120 (F,S) 1 hr. cr.
College Orientation

A requirement for all incoming freshmen. Provides a small group setting for open communication between students in an informal situation. Content focuses on practical knowledge necessary for academic survival, adviser assignment, and current issues of concern. Regular course withdrawal procedures do not apply. No credit toward psychology major.

Psy 201 (F) 1 hr. cr.
Crisis Intervention

Theory and methods of telephone crisis line (hotline) paraprofessional functioning: interview skills, ethics, dealing with specific types of callers and problems, resource review, and procedures and rules of Joplin Crisis Intervention, Inc. One hour lecture each week. Prerequisites: Sophomore standing and psychology major, or advance permission of instructor.

Psy 202 (F,S) 1 hr. cr.
Crisis Intervention Practicum

A continuation of Psy 201, Crisis Intervention. For one to three semesters, students function as Joplin Crisis Intervention paraprofessionals, attending JCI meetings, being on call on the JCI hotline, and meeting as a class twice monthly. Prerequisite: Psy 201.

Psy 221 (F,S) 3 hrs. cr.
Psychology of Personal Adjustment

Selected principles of adjustment, ways of improving adjustment and research of practical value. Some emphasis on assertion skills.

Psy 298 (Demand) 1 hr. cr.
Special Topics in Psychology
 Special topics in psychology not normally included in other courses. Prerequisites to be determined by the department.

Psy 300 (F,S) 3 hrs. cr.
Child Development

Behavior and growth patterns of children from conception to puberty. Psychological findings are presented which are relevant to how children learn, solve problems, and function in home and school environments. Prerequisite: Psy 100. No credit will be given if Psy 305 has been completed.

Psy 301 (F,S) 3 hrs. cr.
Adolescent Psychology

Development of the attitudes, interests, problems and adjustment of the adolescent. A foundation for the proper evaluation of adolescent behavior. Prerequisite: Psy 100. No credit will be given if Psy 305 has been completed.

Psy 302 (F,S) 2 hrs. cr.
The Exceptional Child

A series of awareness experiences which deal with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 300, Psy 301, or Psy 305.

Psy 305 (F,S) 4 hrs. cr.
Developmental Psychology

Aspects of human development during conception, infancy, childhood, transience to adolescence will be examined, including, physical, emotional, social, and cognitive development. Emphasis will be given to theoretical frameworks and their practical implications. Cross-cultural variety will be included wherever appropriate. Prerequisites: Psy 100. No credit will be given if Psy 300 or Psy 301 have been completed.

Psy 310 (F,S) 2 hrs. cr.
Educational Psychology

Psychological problems involved in education and the practical application of psychological principles of teaching. Special emphasis on measurement, the nature of learning, and the environmental influences of behavior. Prerequisite: Psy 100.

Psy 320 (F,S) 3 hrs. cr.
Applied Statistics for the Behavioral and Natural Sciences

Includes descriptive and inferential techniques. Emphasis on the analysis and interpretation of data. Prerequisites: Psy 100 (or permission) and Math 110, 130 or 131.

Psy 325 (F,S) 3 hrs. cr.
Computers in the Behavioral Sciences

Applications of computers in behavioral sciences with an emphasis on statistical analysis, data collection, and report generation. Prerequisite: Psy 320.

Psy 330 (F,S) 5 hrs. cr.
Experimental Psychology (Writing Intensive)

The research process is the foundation for knowledge in the field of psychology. Laboratory course that stresses the acquisition of basic skills in conceiving and carrying out research, as well as analyzing results and writing reports in a professionally acceptable manner. Prerequisite or corequisite: Psy 325

Psy 341 (F) 3 hrs. cr.
Social Psychology

Introduction to the study of individuals' thoughts, feelings, and behaviors as they are influenced by their social environment, including interpersonal, intragroup, and intergroup influences. Prerequisite: Psy 100.

Psy 343 (Demand) 3 hrs. cr.
Human Sexuality

Surveys current research and theory related to human sexuality. Human sexual behavior and attitudes will be viewed from biological, psychological, historical, and cultural perspectives. Prerequisites: Psy 100.

Psy 382 (S) 3 hrs. cr.
Introduction to Behavior Management

Techniques of modifying human behavior through principles developed by learning psychology. Emphasis on design and implementation of behavioral strategy in the laboratory, as well as practical settings. Prerequisite: Psy 100.

Psy 386 (S) 3 hrs. cr.
Learning Theory

Leading theories and research in the field of learning. Both animal and human studies will be discussed. Topics include Non-Associative Learning, Classical Conditioning, Instrumental Learning, Stimulus Control of Behavior, Punishment, Avoidance Behavior, and Cognitive Processes. Prerequisite: Psy 320.

Psy 390 (S) 1 hr. cr.
Junior Seminar (Writing Intensive)

For Junior Psychology majors. Information & experiences helpful in making decisions about and preparing for careers, emphasizing preparation for either graduate school or baccalaureate level employment. Corequisite or Prerequisite: Psy 320.

Psy 411 (F,Even) 3 hrs. cr.
Psychology of Sensation and Perception

Includes classical and modern psychophysical techniques. The physiology of various sensory systems, e.g. vision and audition, are examined in order to appreciate the nature of perception. Prerequisite: Psy 100.

Psy 412 (F,S) 2 hrs. cr.
Measurement and Evaluation in Education and Psychology

Theory and problems of measurement and evaluation. Practice in analyzing and interpreting test results and in preparing test items of various types. Prerequisite: Psy 310 or consent of instructor.

146 / Psychology, Teacher Education

Psy 415 (F,Odd)

3 hrs. cr.

Animal Behavior

Classic studies and current research in animal behavior from a phylogenetic and ontogenetic perspective. Includes theoretical approaches, ethological methods, ethical concerns, sensory capacities, learning, cognition, and social behavior of animals. Field observations and experimental research for each topic. Field trips are planned to supplement lectures and discussions. Prerequisites: Psy 100 and Bio 101 or permission of the instructor.

Psy 422 (S)

3 hrs. cr.

Theories of Personality

Survey of major contemporary theories of personality, issues of personality assessment, and current research. Prerequisite: Psy 100 and junior standing.

Psy 432 (S)

3 hrs. cr.

Abnormal Psychology

Recognition and classification of the systems of mental disorders, specifying causes and possible therapeutic techniques. Extensive use of the American Psychiatric Association's Diagnostic and Statistical Manual of Mental Disorders. Prerequisite: Psy 100.

Psy 435 (F,Odd)

3 hrs. cr.

Clinical Psychology

Survey of history, current methods, guild issues and future developments of clinical practice. Seminar format with considerable student participation. Prerequisites: Junior standing and 15 hours of psychology.

Psy 442 (S)

3 hrs. cr.

Physiological Psychology

Structure and function of the nervous system from the individual neuron to the behavior of the organism. The biological basis of movement, sleep, homeostasis, sexual behavior, emotion, learning, language, and abnormal behavior will be examined from an ontogenetic and phylogenetic perspective. Prerequisite: Psy 100.

Psy 443 (F)

3 hrs. cr.

Memory and Cognition

Designed to acquaint the student with the major issues and current research finding in the area of memory and cognitive processes. General topics include sensory, short-term and long-term memory; psychology and law; and artificial intelligence. Prerequisite: Psy 330.

Psy 450 (S)

3 hrs. cr.

Psychology of Human Resources

An interdisciplinary approach to traditional areas of human resource management/organizational psychology, including group interaction, communication, interviewing, compensation and benefits, and legal environment. Experimental and theoretical methods will be used. Prerequisite: Psy 100 or MM350 or permission of instructor.

Psy 452 (S)

3 hrs. cr.

History and Systems of Psychology

Historical antecedents and their effects on contemporary scientific psychology. Prerequisite: Psy 330 or consent of instructor.

Psy 460 (Demand)

3 hrs. cr.

Advanced Research Projects

Advances the research skills in psychology beyond what is learned in Psy 330. Students will conceive, design, gather, and analyze the data and write up a naturalistic observation, a survey, or an experiment of their own choosing. Students will function as sole investigators or as members of a team. The final research project can serve as a pilot study for the students' senior thesis as well as provide a project for presentation at a professional research conference. Prerequisite: Psy 330 or permission of the instructor.

Psy 481

3 hrs. cr.

Senior Thesis (Writing Intensive)

Students design and conduct research projects resulting in a written thesis and an oral presentation. Prerequisite: Psy 330 and Senior Standing.

Psy 498 (Demand)

1-3 hrs. cr.

Seminar in Psychology

Specialized knowledge and/or current research in psychology. Topics vary by interest and demand. Number of weekly meetings equal to credit hours granted. Prerequisite: Junior-senior standing and consent of instructor. Some seminars are marked (H) in the class schedule and are intended for honors students. Other students may enroll in honors seminars with consent of instructor.

Psy 499 (Demand)

1-3 hrs. cr.

Independent Study

Course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration must be approved by adviser and department head.

Teacher Education

Taylor Hall 232, 625-9309

Faculty Smith-Head, Banks, Deacon, Fagundes, Leverett, McConnell, Neufeld, Overdeer, C. Pulliam, D. Pulliam, Scholl, Spencer, Vieitez

All teacher education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Program Objectives

Objectives for all programs in teacher education can be found in the [Teacher Education Program Policy Handbook For Faculty](#) and in the [Teacher Education Program Policy Handbook for Students](#). Objectives for the student teaching program can be found in the [Policy Handbook for Student Teachers, Cooperating Teachers, and College Supervisors](#).

Teacher Education

The descriptions of the teacher education programs and the requirements that are listed for each program in teacher education in this catalog are subject to change during the period that this catalog is in use. As changes are made by the State Department of Elementary and Secondary Education, legislative and regulatory bodies, and accrediting agencies, students in the program will be alerted through the advising process. Teacher education students are responsible for their programs of study. They are encouraged to obtain degree plan sheets for the program they are pursuing and work closely with their advisers.

Eligibility for current certification is a requirement for graduation.

The teacher education program consists of the Teacher Education Department as the governing unit, the Secondary Education Committee which oversees the programs in secondary education, the Teacher Education Council, and the Committee on Admissions and Retention.

The Teacher Education Department, in its function as the governing unit in teacher education, oversees all teacher education programs and is specifically responsible for the elementary education program grades 1 through 6, early childhood education program grades pre-kindergarten through grade 3, middle school program grades 5 through 9, reading education program grades K through 12, and special education programs grades K through 12.

The Dean of the School of Education is the chief spokesman for the teacher education program and in this capacity is the chief administrator responsible for the teacher education programs. The dean serves under the direction of the President of the college, Senior Vice President, and the Vice President for Academic Affairs.

The teacher education program is based on a decision making model which defines the role of the teacher as an instructional decision maker. In this role, the teacher must make decisions about pedagogical design and lesson design. Decisions concerning pedagogical design include those regarding classroom management, curriculum development, field experiences, technology, and program evaluation. Decisions about lesson design include communications, use of science, technology, and the arts, problem solving, values clarification, intellectual domains, and social institutions. An extension of the role of the teacher as an instructional decision maker includes the teacher as a learner, provider of services, researcher, and change agent.

Central to the preparation for teaching is the conceptual framework, composed of knowledge, skills, and techniques that have been gathered from research, reported effective practices, and learned societies in such areas as human growth and development, learning theory, assessment, cultural diversity and special needs, curriculum content, psychological, sociological, historical, and philosophical foundations, principles of effective instruction, and school effectiveness.

In order to be an instructional decision maker, the teacher must possess certain knowledge, cognitive abilities, and pedagogical skills. These are included in the following 14 competency areas:

1. to acquire a working knowledge and competency in the philosophical, sociological, and psychological foundations of education. This knowledge is used as a basis for decision making, instructional design, and educational planning;
2. to develop an understanding of how the human grows and develops. This understanding includes the theoretical basis for development and how this relates to teaching and learning;
3. to apply theories of learning effectively. This application shall include the learning environment, learner attributes, and learning tasks;
4. to provide cognitive, affective, and psychomotor learning in communication, problem solving, value clarification, social institutions, science and technology, and the arts;
5. to internalize an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contribution made by the various cultures to the American culture;
6. to develop teaching expertise in the teaching specialty, which shall include both breadth and depth in subject matter and methods, techniques, and skills for teaching this subject matter;
7. to develop instructional plans, strategies, and assessments basic to meeting individual needs of students that may be evident in cultural diversity, values clarification, and mental and physical exceptionalities;
8. to acquire knowledge for the effective use of various classroom management systems and develop awareness of the strong relationship between classroom management practices and teaching effectiveness;
9. to integrate and apply instructional technology in education, including microcomputers, laser disks, interactive video, CD-ROM, multimedia, information technology and networks, presentation hardware and software, and tape and film media in instruction, assessment, research, and professional productivity;
10. to organize and manage an effective school environment, including the management of instructional experiences, instructional materials, and all other physical properties related to learning;
11. to develop competency in the assessment of developmental and behavioral problems. The assessment competencies shall include instrumentation, administration, and interpretation. Interpretative skills shall include the use of assessments in educational planning;
12. to acquire knowledge and skills for reporting to, and working with, parents and parental support personnel. The reporting to parents shall involve accurate and effective communication, both in writing and orally, concerning the needs and progress of students. In addition, to provide the knowledge and skills to make referrals to community support systems and services for students needing intervention beyond the regular classroom instruction;
13. to interact with the learner in a learning environment that is rich in opportunities to observe practices, methods, and techniques as they apply to learning and the learner;
14. to develop plans for continuous professional growth and development, which includes self evaluation, performance based teacher evaluation, and other forms of peer evaluation. Opportunities and experiences for the personal development of high ethical standards will be provided.

Admission to the Teacher Education Program

After the student declares a major in education, two levels of admission to the teacher education program exist.

The first level is application for tentative formal admission.

Applications for formal admission to the teacher education program may be filed with the Dean of the School of Education after the student has declared an education major and successfully completed 55 semester hours of prescribed course work. The deadline for application is the third week in February for those seeking formal admission in the subsequent fall semester. The deadline for application for those seeking admission in the spring semester is the third week in October.

Students must have tentative formal admittance before courses can be taken in professional education. Courses with an EDUC prefix cannot be taken until the Junior Block (Educ 329, 321, & 423) has been completed, except for Educ 100, Educ 200, Educ 301, and Educ 302, which may be taken at any time. Educ 316, Educ 324, Educ 342, Educ 380, and Educ 480 may be taken concurrently with the Junior Block classes.

Qualifications for tentative formal admission include the following:

1. Submit a completed application that is signed by the student's adviser.
2. Have a cumulative GPA of 2.75 in all course work. All students in education must maintain a cumulative GPA of 2.5 in their teaching areas, e.g., art, mathematics, elementary education, etc.

3. Pass all sections of the Missouri C-Base Test. (This test is not required of post baccalaureates.)
4. Have a composite ACT enhanced score of 20 or a SAT (VM) of 800.
5. Submit a hand-written autobiography in correct and coherent standard English. The autobiography must be read and approved by the student's adviser.
6. Submit a passing evaluation in speech from the communications department.
7. Convicted felons must identify themselves by so indicating on the application for admission form. Upon identification the student will need to make certain documents and information available to the Admissions and Retention Committee of the Teacher Education Program, i.e., conviction status, probation information, recommendations from court and public officials associated with the conviction. This process must be repeated when application is made for student teaching. There is a process that convicted felons must follow before consideration is given for certification in the State of Missouri. Failure to identify oneself will cause the student to be removed from the program at once.

When students complete these qualifications, they will receive tentative formal admittance to the teacher education program and notification from the Dean. Students who fail to gain tentative formal admission also will be notified by the Dean. Reasons for failure to gain tentative formal admission will be stated, along with suggested corrective measures should the student wish to continue pursuing formal admission.

The second level is formal admission, which is granted after the student successfully completes the eight credit hour Junior Block: Educ 329, Pedagogical Theory, Methods, and Practices; Educ 321, Micro Teaching; and Educ 423, Classroom Management. The student must be recommended by the instructors of these courses. The student must maintain a cumulative GPA of 2.75. If at any point in the program a student's GPA drops below accepted levels, the student will be dismissed from the teacher education program.

Grades below a "C" in professional education courses will not be accepted for the degree requirements in teacher education. Students seeking certification in elementary education, middle school education, secondary education, special education, and early childhood education must have a grade of "C" or better in each of the courses in these certification areas.

Students qualifying for formal admission to the program will be notified in writing by the Dean. The date of formal admission will be entered on the student's record by the Registrar. Students who have not met the criteria will also be notified and corrective measures suggested.

Admission to Student Teaching

After completion of Educ 329, Pedagogical Theory, Methods, and Practices, but before the professional semester, students in early childhood education, elementary education, middle school education, and special education take approximately 26 or more hours of work in professional education and in a teaching specialty. During this time the student must maintain a cumulative GPA of 2.75 or better and a GPA of 2.5 or better in the teaching specialty. The student must earn a "C" or better in all professional education courses, and must retake courses in which a grade lower than "C" is earned. The student is expected to maintain those personal and professional requirements that were met as part of the admission requirements to teacher education. Requirements that must be met prior to admission to student teaching are:

1. Be fully admitted to the teacher education program.
2. Have a cumulative GPA of 2.75.
3. Have all previous course work completed at the time of student teaching.
4. Have a completed application for student teaching on file at least one semester prior to the student teaching semester.
5. Have a grade of "C" or better in each professional education course.
6. Have an approved typewritten autobiography on file. The autobiography must consist of two or more paragraphs.

7. Convicted felons must complete the form provided upon applying for admission to student teaching.

The student teaching program is intended for students who have met all of the requirements for student teaching at Missouri Southern State College.

Graduation Requirements

In order to graduate from the Teacher Education Program, the student must successfully complete the following exit requirements, in addition to all other academic requirements of the College:

1. Demonstrate mastery of pedagogical knowledge and skills included in the 14 competency areas which are all required of teacher education students.
2. Submit 5 pieces of the student's best work in the teacher education program for faculty authentic assessment review.
3. Have a cumulative GPA of 2.75 or higher.
4. Have a cumulative GPA of 2.5 or higher in the teaching specialty area.
5. Pass the Professional Knowledge Test of the National Teachers Exam.
6. Pass the Teaching Specialty Exam of the National Teachers Examination.
7. Successfully complete student teaching.
8. As part of the authentic assessment procedures, each student must have a successful exit interview.
9. Be eligible for current Missouri teacher certification.

Advisement

Advisers will be assigned to students upon admission to the college. For those without advisers, freshmen with declared majors in teacher education will have an adviser assigned as part of Educ 100, Orientation to Education I, and sophomores declaring a major in teacher education will be assigned advisers in Educ 200, Orientation to Education II. It is strongly recommended that all education majors have advisers in their teaching specialty area, due to the many specific course requirements and entrance and exit requirements for teacher education.

Post-graduates holding Missouri certificates must have the Missouri State Department of Elementary and Secondary Education (DESE) evaluate their transcripts and make recommendations for course work that will lead to certification. After a plan sheet is received by the student, the requirements specified by DESE may be translated into MSSC courses by the Assistant Certification Officer in the Office of the Dean.

General Information

Students who select teacher education may choose from the following programs:

1. Elementary Education (grades 1-6) with a 21 hour concentration. Choose one:
 - Art
 - Business
 - English
 - Physical Education
 - Mathematics
 - Music
 - Reading
 - Science
 - Social Studies
 - Speech/Theatre Education
2. Elementary Education (1-6)/Early Childhood Education. (Pre- Kindergarten - grade 3).
3. Elementary Education (1-6)/ Special Education (K-12).
4. Elementary Education (1-6)/TESOL (K-12)
5. Middle School Education (5-9) with two concentrations: Choose two:
 - Language Arts
 - Social Studies
 - Mathematics
 - Science
6. Secondary Education (9- 12) with one or two specialties. Choose one specialty (Plan B) or two specialties (Plan A) from the following list:
 - Business Education
 - English
 - Mathematics
 - Physical Education
 - *Social Sciences
 - Speech/Theatre
 - Unified Science (with a choice of Biology, Chemistry, or Physics endorsement).

*Plan A not available.

7. K-12 Education

Choose one from the following list:

- Art
- Music (vocal or instrumental)
- Physical Education
- Spanish

All students in teacher education must be tentatively admitted to teacher education prior to taking professional education courses. The admission point for teacher education is in the second semester of the sophomore year. Preparation for admission by the student can begin at any time. If the ACT score is lower than 20, the test can be retaken anytime prior to applying for tentative admission.

The Missouri C-Base Test should be taken in the second semester of the sophomore year.

All students who enter Missouri Southern as freshmen teacher education students are required to take Educ. 100, Orientation to Education I, during their freshman year and Educ. 200, Orientation to Education II, during their sophomore year. Students who transfer into MSSC at the point of formal admission into the Teacher Education Program are not required to take these two courses.

Psychology Requirements

All education majors must take Psy 310, Educational Psychology.

Elementary education students (*grades 1 through 6*) and early childhood education students (*grades pre-kindergarten through grade 3*) must take Psy 100, General Psychology and Psy 300, Child Development.

Middle school education students (*grades 5 through 9*), special education students (*K through 12*), music education students (*grades K through 12*), art education students (*grades K through 12*), physical education students (*grades K through 12 or grades K through 9*), Spanish education students (*grades K through 12*), TESOL students, and reading education students (*grades K through 12*) must take Psy 100, General Psychology and Psy 305, Developmental Psychology.

Secondary education students in business education, English education, mathematics education, physical education, social studies education, speech/theatre education, or unified science education must take Psy 100, General Psychology and Psy 301, Adolescent Psychology.

Certification

Students majoring in elementary education, elementary education/early childhood education, elementary education/special education, middle school education, physical education, or secondary education who successfully complete the requirements for this degree will be recommended for the Professional Certificate-I teaching certificate. This is a probationary certificate that is granted for three years. Additional certification is granted by the Missouri Department of Elementary and Secondary Education. Students with degrees from MSSC or another institution who wish to be certified in the State of Missouri must meet all of the requirements that are set forth in this catalog for the B.S.E. degree. All programs are designed to exceed minimal requirements for certification. Programs of study and courses required may be obtained through the Assistant Certification Officer in the Office of the Dean.

Exceptions to the Core Requirements: Physical Education Requirements

All teacher education students must meet the Core Curriculum requirements with the exception of elementary education, early childhood education, reading education, special education, or TESOL education students. These students are not required to take Kine 101, P. E. Activities, and Kine 103, Lifetime Wellness. In place of these two courses, these teacher education students are required to take Kine 370, School Health Education, and Kine 311, Physical Education for the Elementary School.

Bachelor of Science in Education (B.S.E.) Elementary Education

Area of Concentration

Students who elect elementary education (*grades 1 through 6*) as their teaching area must complete an area of concentration consisting of a minimum of 21 hours. This requirement may be met in one of two ways as follows:

Option 1: A collection of 21 hours of approved courses in an area of study including art, English, mathematics, music, reading, science, social studies, speech/theatre, or other approved area.

150 / Teacher Education

Option 2: An added endorsement in an area of study such as early childhood, special education, or TESOL. A course of study for these certifications is available in the teacher education department office.

Requirements for Elementary Education Core Education Requirements 65-66

Students must earn a grade of "C" or better in all of the following courses, except the area of concentration.

Kine 370	School Health	3
Geog 211	Geography	3
Econ 180	American Economic Sys	3
Math 120	Math Elem Teacher II	3
Eng 325	Children's Literature	3
Art 220	Art Education	2
Mus 332	Music for Elem Sch	2
Educ 302	Exceptional Child	2
Psy 100	General Psychology	3
Psy 300	Child Development	3
OR		
Psy 305	Developmental Psy	4
Psy 310	Education Psychology	2
Kine 311	PE for Elem School	2
Educ 301	Computer Software in the Classroom	3

Students must be tentatively admitted to teacher education prior to taking the following courses (see admission requirements):

Educ 329	Ped Theory, Methods, & Practices	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2

Pass Media Competencies

In order to take the remaining courses, the student must be fully admitted to the teacher education program:

Educ 311	Science in the Elementary School	3
Educ 312	Problems of Teaching Arith in Elem School	3
Educ 322	Teaching Social Studies Elem School	3
Educ 340	Language Arts	2
Educ 342	Intro Dev Reading	3
Educ 343	Teaching Reading Middle School	3
Educ 420	Intro Counseling (Optional)	3
Educ 470	Diagnostic and Remedial Reading	3

Professional Semester Courses

Educ 402	Foundations of Education	2
Educ 432	Critical Issues	2
Select two from the following:		
Educ 412	Middle School/ Junior High Philosophy, Organization, and Curriculum	2
Psy 412	Measurement and Evaluation	2

Educ 420 (see above)

Other requirements: All courses must be completed prior to student teaching.

Educ 442 Student Teaching 8
Meet all exit requirements (see graduation requirements).

Area of Concentration 21

A student may work toward certification in reading education (grades K-12) by completing all of the course work for reading certification requirements except two years of teaching experience. The student who completes this program and completes two years of teaching experience may apply to the Department of Elementary and Secondary Education for the reading specialist certificate.

Bachelor of Science in Education - Middle School

Students who elect middle school (grades 5-9) as their major must complete two areas of concentration consisting of 22-32 hours in each area. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty. Students who desire to teach in a middle school may choose to become qualified in any two of the following four areas: Language Arts (English), Math, Science, Social Studies.

The core courses for the middle school program total 108-9 hours. The number of hours added to this core depends on the two areas chosen. The possible choices and hours are listed below.

SS/Math	=	23
SS/Sci	=	28
Sci/Math	=	32
LA/SS	=	22
LA/Sci	=	28
LA/Math	=	28

Total Hours for degree in Middle School:

SS/Math	=	132
SS/Sci	=	137
Sci/Math	=	141
LA/SS	=	130
LA/Sci	=	136
LA/Math	=	136

Bachelor of Science in Education-Secondary Education or K-12

The curriculum for secondary education is a joint effort of each department supporting a teaching specialty area and the teacher education department.

The student who desires to teach in a secondary school may choose to become qualified in a single teaching field with a high degree of specialization or in two different teaching fields with a lesser degree of specialization. Specialties available for secondary school teaching are:

1. Art K-12
2. Business Education 9-12
3. English 9-12
4. Mathematics 9-12
5. Music K-12 (*Vocal or Instrumental*)
6. Physical Education K-12, K-9, 9-12
7. Social Studies 9-12
8. Spanish K-12
9. Speech/Theatre 9-12
10. Unified Science 9-12 (*with endorsement in biology, chemistry, or physics*)

Plan A: (Double Major)

Plan A is intended for those who desire to qualify as teachers in two different subject matter areas. Each area requires a minimum of 30 semester hours of specific course work which must meet minimum Missouri State Department of Elementary and Secondary Education requirements. Plan A is not available in art, music, social science, Spanish, or unified science. If Plan A is selected, a second teaching field is required.

Plan B: (Single Teaching Field, Comprehensive Major)

Plan B is intended for persons who wish to concentrate teacher preparation in one subject matter area only. Forty or more semester hours are required in the subject matter area or related supporting courses listed in this catalog by department.

The Teaching Specialty for Secondary Education 9-12

Students in secondary education must meet the same core requirements as all MSSC students. Depending on the teaching specialty, these students will differ in the order in which they take the Core Curriculum requirements. Each specialty area has a sequence of courses for the teaching specialty. Students should refer to the catalog under the teaching specialty.

Requirements for Secondary Education or K-12

Core Education Requirements 39/42

Psy 100	General Psychology	3
Psy 301	(9-12) Adolscent Psy	3
Psy 305	(K-12) Devel. Psy	4
Psy 310	Educational Psychology	2
Educ 301	Computers in Education	3
Educ 302	Exceptional Child	2
*Junior Block	Educ 329	4
*Junior Block	Educ 321	2
*Junior Block	Educ 423	2
Educ 422	Reading in Sec. Schools	2
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412 or Educ 420, or Psy 412	(chose one elective in Education)	2-3
Educ	Methods course appropriate to student's teaching area	2-3
Educ 462 (9-12) or Educ 464 (K-12)	Student Teaching	8

Programs (Examples:)

1. Elementary Education - Option I with a 21 hour concentration

Suggested Order of Study

Bachelor of Science in Education Elementary Education (Elementary Education with a 21 hour concentration in social studies)

Freshman year

1st Semester	Course	Hours
Educ 100	Orient. to Educ. I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] WI	3
CORE	[Comm 100 Oral Comm]*	3
CORE	[Hist 110 U.S.1492-1877]	3
CORE	[Mus 110 Music Appr OR	
CORE	[Art 110 Art Appr (2A)]	3
		15

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art Appreciation as a first choice and then can select from Area 2, Humanities and Fine Arts part B & C, page 44.)

Sophomore Year

1st Semester

Educ 200	Orientation to Educ II	1
CORE	[Bio 101 General Bio]	4
CORE	[Hist 120 US 1877-present]	3
CORE	Literature (2B)	3
CORE	[PSc 120 Gov't;US/Sta/Loc]	3
Psy 300	Child Development	3
		17

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

CORE	Fine Art from Area 2C	3
Kine311	PE in Elem School ***	2
CORE	[Phys 101]	5
Mus 332	Music for Elem School	2
Educ 301	Comp Software Clsm**	3
Elective		2
		17

Junior Year

1st Semester

Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before any course from the junior block forward with an "Educ" prefix can be taken.

Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Intro to Dev Reading	3
Kine 370	School Health Educ.WI***	3
Educ 302	The Exceptional Child	2
		16

2nd Semester

Must be fully admitted to the Teacher Education Program. (Media competencies must be met or the student will be denied full admission and denied continuation in the program.)

Area of Concentration		3
Geog 211	Regions and Nations	3
Educ 343	Rdg in the Mid School	3
Educ 340	Language Arts	2
Educ 312	Prob of Tchng Arith	3
Psy 310	Educational Psy	2
		16

Senior Year

1st Semester

Eng 325	Children's Lit WI	3
Educ 470	Diag & Remdl Rdg WI (may be taken with Educ 343)	3
Art 220	Art Education	2
Educ 311	Tchng Sci Elem	3
Educ 322	Tchng Soc Studies	3
Educ 420	Intro to Counsel WI@@	3
		17

@@Select Two

Educ 412 Mid Sch-Jr Hi-Phil-Org-Curr (2)
+Educ 420 Intro to Counsel WI (3)
Psy 412 Measurement & Eval (2)
+Must be before student teaching

2nd Semester

Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Electives(s) from list above @@		2-4
Educ 442	Student Teaching	8
		14-16

Total Elementary Education /with Social Studies Concentration 128- 129

(Prerequisites)

[Department Recommendations]

*Student must have speech evaluation filed in the Dean's office.

**This is a certification requirement and must be taken by all teacher education students.

***Meets the core requirements in Physical Education.

Bachelor of Science in Education Elementary Education/Reading Education

Students who wish to certify in reading education should follow the order of study below. When students complete the sequence of courses satisfactorily, and upon completion of two years of teaching experience, they may certify as reading specialists in the State of Missouri. Advisers should pay particular attention to the sequence of courses. For example, a student must take Educ 342 before taking Educ 343. Educ 343 may be taken with Educ 470.

Freshman year

1st Semester

Course		Hours
Educ 100	Orientation to Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng101)]WI	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110 US1492-1877]	3
CORE	[PSc 120 Gov:US/Sta/Loc]	3
CORE	[Music 110 Music Apprec]	
OR		
CORE	[Art 110 Art Apprec.]	3
		18

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art appreciation and then can select from Area 2, Humanities and Fine Arts part B & C, page 44)

152 / Teacher Education

Sophomore Year

1st Semester

Educ 200	Orientation to Educ II	1
CORE	[Bio 101 General Bio]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	Literature (2B)	3
CORE	Humanities/Fine Arts (2C)	3
		17

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

Art 220	Art Education	2
Psy 305	Developmental Psy	4
Kine 311	PE in Elem Sch ***	2
CORE	[Phys 101]	5
Educ 301	Comp Software Clsrn**	3
		16

Junior Year

1st Semester

Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 302 and Educ 301)

Educ 329	Ped Theory Methds Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Kine 370	School Hlt Educ ***WI	3
Educ 302	Exceptional Child	2
Educ 342	Intro Dev Reading	3
		16

2nd Semester

Must be fully admitted to the Teacher Education Program.

Educ 474	Educ & Psy Testing*	3
Mus 332	Mus Elem School	2
Educ 343	Rdg in the Mid School	3
Educ 470	Diag & Rmdl Rdg WI	3
Educ 340	Language Arts	2
Educ 312	Probs of Tchng Arith	3
		16

Summer - Junior Year

Educ 430	Language Development	3
----------	----------------------	---

Senior Year

1st Semester

Educ 322	Teaching Social Studies	3
Eng 325	Children's Lit WI	3
Educ 311	Teaching Science Elem	3
Educ 420	Intro to Counseling+	3
Educ 422	Rdg. In Cont Areas WI	2
Psy 310	Educational Psychology	2
		16

2nd Semester

Educ 402	Found of Educ WI	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching	8
		12

Total Elementary/Reading 128

Students must complete all of the above courses as well as the following in order to be certified in Remedial Reading.

1. Educ 471 Prac in Diag Rdg Diff 3
2. Educ 472 Prac in Rem of Reading 3
3. Educ 350 Corrective Reading 2
4. Applicant must complete two years of teaching experience.

(Prerequisites)

[Department Recommendations]

*Course specific to the area of Reading emphasis.

***Meets the core requirements in Physical Education.

+Must be taken prior to student teaching semester.

2. Elementary Education/ Early Childhood Education - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/Early Childhood Education

Freshman year

1st Semester

Course		Hours
Educ 100	Orientation to Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 WI (Eng 101)]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110 U.S.1492-1877]	3
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
		15

Sophomore Year

1st Semester

Educ 200	Orientation to Educ II	1
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	[Music 110 Music Apprec]	
OR		
CORE	[Art 110 Art Apprec]	3
CORE	Humanities/Fine Arts Elec	3
		17

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art Appreciation and then can select from Area 2, Humanities and Fine Arts part B & C, page 44.)

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

Art 220	Art Education	2
Psy 300	Child Development	3
Kine 311	PE in Elem Sch ***	2
CORE	[Phys 101]	5
Kine 340	Motor Learning*	2
CORE	Literature Elective	3
		17

Summer - Sophomore Year

Eng 325	Children's Literature WI	3
Educ 301	Computer Software	3
		6

Junior Year

1st Semester

Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

Educ 329	Ped The Methds &Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Kine 370	School Hlt Educ WI***	3
Educ 316	Found,Iss,Trnd ECE*	2
Mus 332	Music in Elem Sch	2
		15

2nd Semester

Must be fully admitted to the Teacher Education Program.

Educ 342	Intro to Dev Reading	3
Educ 340	Language Arts	2
Educ 312	Prob of Tchng Arith	3
Educ 311	Teaching Science Elem	3
Educ 317	Curriculum - ECE*	3
Educ 323	Util Fam Comm Res*	3
		17

Summer - Junior Year

Educ 408	Assess in ECE*	4
Educ 430	Language Dev*	3
Educ 302	Exceptional Child	2
		9

Senior Year

1st Semester

Educ 343	Tchng Rdg in Mid Sch	3
Educ 470	Diag & Remdl Rdg WI (may be taken with Educ 343)	3
Educ 318	Meth & Materials ECE*	3
Educ 319	Prac Meth & Mat*	2
Psy 310	Educational Psychology	2
Educ 322	Tchng Soc Studies	3
		16

2nd Semester		
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching	8
		12
Total Elementary/ECEProg.		138
(Prerequisites)		
[Department Recommendations]		
*Courses specific to the Early Childhood Area of Emphasis.		
***Meets the core requirements in Physical Education.		
Area of Emphasis - total semester hrs=23		

3. Elementary Education/ Special Education - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/Special Education

Students who wish to certify in special education must certify in **mild/moderate cross categorical disabilities** and **one of the following endorsement options:**

**Learning Disabilities K-12,
Mental Handicaps K-12,
Behavior Disorders K-12.**

Students who pursue these programs must carefully follow the orders of study for these categories.

Beginning with the first semester of the junior year, students may begin taking the required courses in special education. The first course in the sequence is Educ 324, Introduction to Special Education, (3 credit hours). This course introduces the endorsement options in special education offered at MSSC. This course must be taken before any of the methods courses in special education can be taken. After completing the methods course, the student will complete the practicum in the same category as the methods course. Other courses that are required for special education may be taken according to the suggested order of study below.

Student teaching for special education students consists of a full ten week experience in the category chosen by the student. Students who choose to student teach in cross-categorical disabilities must meet all course requirements for that area, qualify for admission to student teaching, and then complete ten weeks student teaching in a cross-categorical classroom.

Freshman year		
1st Semester		
Course		
Educ 100	Orient to Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Comm 100 Oral Comm]	3
Psy 120	College Orientation	1
		17

2nd Semester		
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101) WI]	3
CORE	[Hist 110 US1492-1877]	3
CORE	[PSC 120 Gov:US/Sta/Loc]	3
Educ 301	Computer Software	3
CORE	[Music 110 Music Apprec]	
OR		
CORE	[Art 110 Art Apprec]	3
		18

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art appreciation and then can select from Area 2, Humanities and Fine Arts part B & C, page 44.)

Sophomore Year		
1st Semester		
Educ 200	Orientation to Educ. II	1
CORE	[Bio 101 General Bio]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	Fine Art (2B)	3
Psy 305	Developmental Psychology	3
		18

2nd Semester
Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

Art 220	Art Education	2
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
CORE	Humanities/Fine Arts (2C)	3
Psy 310	Educational Psychology	2
Mus 332	Music for Elem School	2
		16

Summer - Sophomore Year		
Eng 325	Children's Lit (WI)	3
Educ 302	Exceptional Child	2
		5

Junior Year		
1st Semester		
Pass Media Competencies.		
Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)		
Educ 329	Ped Theory Methods & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Kine 370	School Health Educ.***	3
Educ 324	Intro Spec. Educ.	3
Educ 342	Intro to Dev Rdg.	3
		17

2nd Semester		
Must be fully admitted to the Teacher Education Program		
Educ 311	Teaching Science Elem	3
Educ 340	Language Arts	2
Educ 312	Problems of Tchg Arith	3
Educ 474	Ed-Psy Testing	3
Educ 407	Diag & Prscrptv Tch*	3
Educ 410	Methods/ Cross-Categorical	3
		17

Summer - Junior Year		
Educ 348	Transition Services	2
Educ 430	Lang. Development	3
Educ ____	Methods in MR,BD, or LD	3
		8

Senior Year		
1st Semester		
Educ 343	Tchng Rdg in Mid Sch	3
Educ 470	Diag & Remdl Reading WI	3
		(may be taken with Educ 343)
Educ 322	Tchng Soc. Studies	3
Educ 420	Intro to Counseling+	3
Educ 446	Pract. -Cross-Categorical	3
Educ 446	Pract in second selected area	3
		18

2nd Semester		
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching	8
		12

Total Elementary/Special Education 146
(Prerequisites)
[Department Recommendations]
*Courses specific to Special Education certification endorsement.
***Meets the core requirements in Physical Education.

4. Elementary Education/TESOL - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/TESOL

Students who wish to certify in TESOL (Teachers of English to Students of Other Languages) can add the course work to elementary, middle school, or secondary education majors. Please see your adviser for details. The following suggested order of study is for the elementary education program only.

154 / Teacher Education

SUGGESTED FOUR YEAR PLAN FOR ELEMENTARY EDUCATION MAJORS WITH TESOL AS AN AREA OF CONCENTRATION

Freshman Year

1st Semester		Hours
Course		
CORE	[Eng 101 Comp I] WI	3
Psy 100	General Psychology	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Hist 110 US1492-1877]	3
CORE	[Comm 100 Oral Comm]	3
Psy 120	College Orientation	1
		16

2nd Semester		Hours
CORE	[Eng 102 WI (Eng 101)]	3
Art 110/Mus 110		3
CORE	[Hist 120 US1877-Present]	3
CORE	[Math 111 Math Elem Tchr I]	3
CORE	[PSC 120 Govt:US,St,Loc.]	3
Educ 100	Orientation to Educ I	1
		16

Summer Semester		Hours
CORE	[Bio 101 General Biology]	4
		4

Sophomore Year

1st Semester		Hours
CORE	[Math 120 Math Elem II]	3
Educ 301	Computer Software	3
Geog 211	Regions & Nations	3
Psy 305	Developmental Psy	4
Educ 200	Orientation to Educ II	1
CORE	Fine Arts Elective	3
(2B-Lit. 261,262,271,272,281,282)		17

2nd Semester
Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

CORE	Fine Arts Elective (2C)	3
CORE	[Phys 101]	5
Psy 310	Educational Psy	2
Kine 311	P.E. for Elem School	2
Mus 332	Music for Elem School	2
Educ 302	Exceptional Child	2
		16

Junior Year

1st Semester		Hours
Pass Media Competencies. Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)		
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Intro to Dev Reading	3
Kine 370	School Health	3
Eng 301	Modern Grammar	3
		17

2nd Semester

Must be fully admitted to the Teacher Educ		
Educ 340	Language Arts	2
Educ 312	Prob of Tch Arthm	3
Educ 311	Science Elem School	3
Educ 343	Teaching Rdg., Middle Sch	3
Educ 380	Theories/Eng. as 2nd Lang	3
Educ 480	Methods of TESOL	3
		17

Summer - Junior Year

Educ 381	Tchng Multicultural Soc	3
Educ 481	Mat Dev & Assess/TESOL	3
		6

Senior Year

1st Semester		Hours
Educ 470	Dgnstc & Rmdl Rdng	3
Educ 322	Tchng Soc Stud Elem	3
Educ 482	Practicum/TESOL	3
Eng 325	Children's Lit	3
Art 220	Art Education	2
Educ 422	Tchng Reading Sec	2
		16

2nd Semester

Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching	8
		12

Total Elem. Educ. with TESOL **137**

5. Middle School Education

Suggested Order of Study

Bachelor of Science in Education Middle School Education

Students will need to check with their advisers for additional courses that must be taken in each of two chosen areas of concentration (Language Arts), (Social Science), (Science), or (Math)

Freshman Year

1st Semester		Hours
Course		
Educ 100	Orientation to Educ I	1
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 PE Activity]	1
		15

2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 WI (Eng 101)]	3
CORE	[Hist 110 US1492-1877]	3
Psy 100	General Psychology	3
CORE	[Bio 101 General Biology]	4
		16

Sophomore Year

1st Semester		Hours
CORE	[Phys 101]	5
CORE	[Hist 120 US 1877-present]	3
CORE	[Kine 103 Lifetime Wellness]	2
Educ 301	Computer Software	3
Educ 200	Orientation to Educ II	1
CORE	Fine Arts Elective	3
(2B- Lit 261,262,271,272,281,282)		16

@For Science certification - take Phys 151 instead of Phys 101

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.		
CORE	[PSC 120 Govt:US,St,Loc]	3
Psy 305	Developmental Psychology	4
CORE	Fine Arts Elective (2C)	3
CORE	(2A)	3
Concentration Area		3-6
		16-19

Junior Year

1st Semester		Hours
Pass Media Competencies. Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)		
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Intro to Dev Reading	3
Eng 319	Tch Comp WI (Fall only)	3
Concentration Area		3-4
		17-18

2nd Semester

Must be fully admitted to the Teacher Education Program.		
Educ 343	Tchng Rdg, Middle Sch	3
Educ 302	Exceptional Child	2
Psy 310	Educational Psy	2
International Studies		3
Concentration Area		4-8
		14-18

Senior Year

1st Semester		Hours
Educ 412	Middle School Curr	2
Psy 412	Measurement & Eval	2
Educ	Elem Content Methods	5-6
Concentration Area		7-8
		17-18

2nd Semester

Educ 402	Foundations of Educ. WI	2
Educ 432	Critical Issues	2
Educ 413	Methods of Tchng M.S.	2
Educ 452	Student Teaching	8
		14

Total Middle School. **130-141**

(Prerequisites)
[Department Recommendations]

6. Secondary Education

Suggested Order of Study

Bachelor of Science in Education Secondary Education /Teaching Specialization

Freshman Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Course	Hours
Educ 100 Orient to Educ I	1
Psy 100 General Psychology	3

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Sophomore Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 200 Orientation to Educ II	1
Educ 302 Exceptional Child	2

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 301 Comp Software **	3
Psy 301 Adolescent Psy	3

Junior Year

1st Semester

Pass media competencies.

Educ 329 Ped Theo Meth & Prac	4
Educ 321 Microteaching	2
Educ 423 Classroom Mgt	2

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

2nd Semester

Follow departmental recommendations for teaching specialty courses.

Psy 310 Educational Psychology	3
--------------------------------	---

Senior Year

1st Semester

Follow departmental recommendations for teaching specialty courses.

Apply for student teaching during the second week of the semester.

Educ 422 Teaching Reading WI	2
Psy 412 Tests & Measurements	
Or	
Educ 412 Mid School Curr	
Or	
Educ 420 Intro to Counseling	2-3

2nd Semester

Educ 402 Foundations of Educ WI	2
Educ 432 Critical Issues	2
Educ Teaching Specialty	
Methods Course	2-3
Educ 462 Student Teaching Sec	8

14-15

(Prerequisites)

[Department Recommendations]

**This is a certification requirement and must be taken by all teacher education students.

7. K-12 Education

Suggested Order of Study

Bachelor of Science in Education K-12 Program

Freshman Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Course	Hours
Educ 100 Orient to Educ I	1
Psy 100 General Psychology	3

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Sophomore Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 200 Orientation to Educ II	1
Educ 302 Exceptional Child	2

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 301 Comp Software **	3
Psy 305 Developmental Psy	4

Junior Year

1st Semester

Pass media competencies.

Educ 329 Ped Theo Meth & Prac	4
Educ 321 Microteaching	2
Educ 423 Classroom Mgt	2

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

2nd Semester

Follow departmental recommendations for teaching specialty courses.

Psy 310 Educational Psychology	3
--------------------------------	---

Senior Year

1st Semester

Follow departmental recommendations for teaching specialty courses. Apply for student teaching during the second week of the semester.

Educ 422 Teaching Rdg WI	2
Psy 412 Tests & Measurements	
OR	
Educ 412 Mid Sch Org-Phl-Cur	
OR	
Educ 420 Intro to Counseling	2-3

2nd Semester

Educ 402 Foundations of Educ WI	2
Educ 432 Critical Issues	2
Educ Tchng Specialty	2-3
Methods Course	

Educ 464 Student Teaching K-12	8
--------------------------------	---

14-15

(Prerequisites)

[Department Recommendations]

**This is a certification requirement and must be taken by all teacher education students.

For additional information contact:

Teacher Education Department

Office: Taylor Hall 237

Phone: 625-9309

FAX: 625-9771

Course Descriptions

Educ 010 (F,S) 2 hrs. cr.

Academic Skills for College Success

Designed to improve and enhance reading skills. Vocabulary, comprehension, and flexibility for rate are addressed in addition to the introduction of learning strategies involved in the successful transition from high school to college level of study. Provides opportunities for improving reading and study skills as well as for developing reading enrichment.

Educ 100 (F,S) 1 hr. cr.

Orientation to Education I

An orientation to teacher education required for freshmen who select elementary or secondary education as their major field. Intended to help clarify decisions about education as a major and career choice. Concepts covered include: teaching as a career, teacher preparation, employment prospects, educational funding, and technology in education.

Educ 105 (F,S) 1 hr. cr.

Speed Reading

Designed specifically to increase reading speed. Not recommended for students with comprehension problems.

Educ 200 (F,S) 1 hr. cr.

Orientation to Education II

An extension of Educ 100. Classroom experiences emphasized as well as the conditions for teaching. A 15 clock hour, field-based component is included.

Educ 301 (F,S,Demand) 3 hrs. cr.

Use of Computer Software in the Classroom

Study designed to provide the prospective teacher with a basic understanding of microcomputer hardware, software, and related technologies with special emphasis upon use of this technology in the accomplishment of teacher-oriented tasks. **Required of all education majors.**

Educ 302 (F,S, Demand) 2 hrs. cr.

The Exceptional Child

A series of awareness experiences dealing with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 100

Educ 311 (F,S, Demand) 3 hrs. cr.

Science in the Elementary School

Designed to help students (1) comprehend the basic notion of science and how children go about learning science, (2) develop materials suitable for demonstration, discovery, and inquiry lessons and (3) develop the instructional skills necessary to achieve the first two goals. Prerequisites: Courses in biological and physical sciences and completion of Junior Block.

Educ 312 (F,S, Demand) 3 hrs. cr.

Problems of Teaching Arithmetic in Elementary Schools (See Math 312)

Application of principles of learning and techniques of presentation. Techniques for diagnosis and remediation are treated as they relate to the elementary classroom. Prerequisite: 3 hrs. of math and completion of Junior Block.

Educ 316 (F,S) 2 hrs. cr.

Foundations, Issues, and Trends in Early Childhood Education

A survey course designed to acquaint the prospective teacher of young children with the historical, philosophical, psychological, and social foundations of early childhood education. In addition, designed to present current issues and trends associated with early childhood programming and consequent role expectations of prospective teachers. **Must be taken concurrently with the junior block courses.**

Educ 317 (F,S) 3 hrs. cr.

Curriculum in Early Childhood Education

Curriculum development in early childhood education, with special emphasis on various program models and curriculum designs currently used at the early childhood level; the formulation of developmentally appropriate goals for and curriculum content of educational programs for young children; and models of classroom management in early childhood education. Prerequisite: Educ 316.

Educ 318 (F,S) 3 hrs. cr.

Early Childhood Methods and Materials

Background in teaching strategies and materials for the young child. Fundamentals of designing developmentally appropriate small group, large group, and individual learning experiences for young children; and appropriate teaching methods and materials at the early childhood level. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 319.

Educ 319 (F,S) 2 hrs. cr.

Practicum I in Early Childhood Education

Supervised participation in teaching on the early childhood level in the MSSC Child Development Center for a minimum of 64 clock hours. Students will design and implement small group, large group, and individual learning experiences, develop appropriate materials for children's use, and practice appropriate teaching strategies for young children. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 318.

Educ 321 (F,S) 2 hrs. cr.

Microteaching

A required part of Education 329. Short teaching episodes are prepared, taught and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline. Must be taken concurrently with Educ 329 and Educ 423.

Educ 322 (F,S, Demand) 3 hrs. cr.

Teaching Social Studies in Elementary School

An introduction to the instructional materials and methods of teaching social studies in the elementary school.

Educ 323 (S) 3 hrs. cr.

Utilizing Family and Community Resources for the Young Child

Acquaints the prospective teacher of young children with the needs and concerns of families rearing young children, methods of involving parents in the education of their children, and knowledge of community resources for families with young children.

Educ 324 (F,S) 3 hrs. cr.

Introduction to Special Education

Introduction to the five areas of mild/moderate disabilities: learning disabled, mentally handicapped, behavior disordered, physically disabled, and other health impaired. Provides the basis of understanding necessary to learn and apply the methodologies needed for each of these areas of exceptionalities. **(Must be taken concurrently with the junior block courses.)** Prerequisites: Educ 302, Psy 100 and Psy 305.

Educ 329 (F,S) 4 hrs. cr.

Pedagogical Theory, Methods, and Practices

Examines the theoretical basis for the decision making model of the teacher education program. Provides the methodological basis for making pedagogical decisions concerning lesson design, identification of learning styles, and assessment techniques. Microteaching provides an opportunity to practice methods and techniques for teaching. Thirty-two hours of junior internship in the elementary, middle, and secondary school classroom provides an opportunity to refine theory into practical applications. Must be taken concurrently with Educ 321 and Educ 423.

Educ 332 (S) 2 hrs. cr.

Teaching English and Language Arts in Secondary School

Provides an introduction to the instructional materials and methods of teaching English and language arts in the Secondary School. Part of the Professional Semester. Prerequisite: Junior Block

Educ 333 (S) 3 hrs. cr.

Teaching Science in Secondary School

An introduction to the instructional materials and methods of teaching science. Part of the Professional Semester. Prerequisite: Junior Block

Educ 334 (S) 2 hrs. cr.

Teaching Social Science in Secondary School

An introduction to the instructional planning, materials, and methods of teaching social science. Part of the professional Semester. Prerequisite: Junior Block

Educ 335 (S) 2 hrs. cr.

Teaching Music in Secondary School

An introduction to the instructional planning, materials, and methods of teaching music. Part of the Professional Semester. Prerequisite: Junior Block

Educ 336 (S) 2 hrs. cr.
Teaching Business in Secondary School
 An introduction to the instructional planning, materials, and methods of teaching business. Part of the Professional Semester. Prerequisite: Junior Block

Educ 337 (F,S) 2 hrs. cr.
Teaching Art in Secondary School
 An introduction to the instructional planning, materials, and methods of teaching art. Part of the Professional Semester. Prerequisite: Junior Block

Educ 338 (F,S) 2 hrs. cr.
Teaching Physical Education in Secondary School
 An introduction to the instructional planning, materials, and methods of teaching physical education. Part of the Professional Semester. Prerequisite: Junior Block

Educ 339 (S) 3 hrs. cr.
Teaching Mathematics in Secondary School
 An introduction to the instructional planning, materials, and methods of teaching mathematics. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics. Prerequisite: Junior Block

Educ 340 (F,S, Demand) 2 hrs. cr.
Language Arts
 A foundations course for the development of understanding the attitudes necessary to teach written and oral communication at the elementary and middle school level.

Educ 342 (F,S, Demand) 3 hrs. cr.
Introduction to Developmental Reading
 Explore, study, and apply a variety of reading strategies that provide understanding of effective, current text-based and experience-based teaching practices; review and compile information from journals/literature which includes research, ideas, trends, methods, and experiences relevant to developmental reading; evaluate various reading approaches and programs; construct reading enrichment materials; and develop an attitude that will positively affect the self-concept of children with diverse learning styles, abilities, backgrounds, and attitudes as they learn to read. (Should be taken with junior block.)

Educ 343 (F,S) 3 hrs. cr.
Teaching Reading in the Middle School
 Expand and extend the knowledge base acquired from Introduction to Developmental Reading; explore, study, apply, and assimilate new learning about effective reading/study-skill strategies appropriate to the development and needs of the middle-school population; design and construct enrichment materials to enhance reading in the content areas; develop knowledge on assessing middle-school students' needs, plan instruction based on those needs, and select appropriate and effective reading/study-skills instruction strategies; and focus on the importance of recreational reading as a lifetime habit. Prerequisite: Educ 342 (Can be taken concurrently with Educ 470.)

Educ 344 (S) 2 hrs. cr.
Teaching Speech and Theatre in Secondary School
 Techniques, methods, and course content used in teaching speech and theatre. Part of the Professional Semester. Prerequisite: Admission to teacher education. Prerequisite: Junior Block

Educ 345 (S) 2 hrs. cr.
Teaching Foreign Language in PK-12
 An introduction to the instructional materials and the methodology used in the teaching of foreign languages in PK-12. Prerequisite: Junior Block

Educ 348 (F,S) 2 hrs. cr.
Transition Services
 A coordinated set of activities for a student designed within an outcome-oriented process that promotes movement from school to post-school activities, including post-secondary education, vocational training, integrated employment, continuing and adult education, adult services, independent living, or community participation. Study of coordinated activities, including instruction, community experiences, employment, and other post school adult living objectives. Prerequisite: Educ 324.

Educ 350 (Demand) 2 hrs. cr.
Corrective Reading Instruction for Classroom Teachers
 Explores historical perspectives of corrective reading practices and reading issues and trends. Students learn to make informed decisions about appropriate current reading instruction and practices. Prerequisites: Educ 342 and Educ 343.

Educ 380 (S) 3 hrs. cr.
Theories of Teaching English as a Second Language
 Basic theories of how non-English speaking people acquire English. Includes working with non-English speaking students, description of personal theory, and methods of teaching. (May be taken after or concurrently with Junior Block.)

Educ 381 (Summer) 3 hrs. cr.
Teaching in a Multicultural Society
 The foundations of multicultural education along with approaches to multicultural education and teaching strategies applicable to all ages, grades, and subjects.

Educ 402 (F,S, Demand) 2 hrs. cr.
Foundations of Education (*Writing Intensive*)
 A study of the historical, philosophical, and sociological aspects of education. Emphasis will be upon the development of American education from the Colonial period and acquisition of knowledge of educational belief systems.

Educ 403 (Demand) 3 hrs. cr.
Methods of Teaching the Mentally Handicapped
 Designed to help the prospective or in-service teacher understand mental retardation and learn to work effectively with retarded learners. Includes appropriate curriculum, individualized program development, and teaching strategies. Prerequisite: Educ 302 and Educ 324.

Educ 404 (S) 3 hrs. cr.
Methods of Teaching Children with Learning Disabilities
 Designed for the prospective or in-service teacher of learning disabled students. Diagnosis, evaluation, programming, instructional approaches, instructional strategies, and materials appropriate for use with learning disabled students. Prerequisite: Educ 302 and Educ 324.

Educ 405 (Demand) 3 hrs. cr.
Methods of Teaching Children with Behavioral Disorders
 Establishes a teaching rationale utilizing an individualized teaching strategy which enables the emotionally disturbed learner to profit more fully from school experiences. Prerequisite: Educ 302 and Educ 324.

Educ 407 (S) 3 hrs. cr.
Diagnostic and Prescriptive Teaching
 A study of four major assessment practices used to design and evaluate individual education programs and to make daily instructional decisions for students with or without disabilities. Students will conduct each of the following kinds of assessment: formal standardized tests, behavioral assessment, curriculum-based assessment, and precision teaching. Prerequisites: Educ 302 and Educ 324.

Educ 408 (F - Demand) 4 hrs. cr.
Assessment in Early Childhood
 An in-depth study of systematic observation, testing tools, and screening instruments. With supervised administration, scoring and interpretation of these assessments in early childhood education. In addition to 2 hrs. of lecture per week, students will be assigned to an early childhood setting for 4 clock-hours a week to utilize systematic informal observational techniques which will culminate in a written case study report. Prerequisite: Educ 316.

Educ 410 (F,S) 3 hrs. cr.
Teaching in the Mild/Moderate: Cross-Categorical Classroom: K-12
 A methods course designed to give students numerous examples of curricular and instructional methodologies in the teaching of elementary and secondary mildly handicapped children in a cross-categorical classroom. Methodologies for students with learning disabilities, mental handicaps, behavior disorders, physical disabilities, and other health impairments are discussed.

Educ 412 (F,S,Demand) 2 hrs. cr.
Middle School and Junior High Philosophy, Organization and Curriculum
 Effective teaching and learning strategies for the Middle School and Junior High students, including comprehension of the developmental and academic needs of students. Designed for Education majors seeking middle school certification (Grades 5-9) and for others interested in curriculum and instruction.

Educ 413 (F, S) 2 hrs. cr.

Methods of Teaching Students in the Middle Grades

Exploration of middle school developmentally appropriate instructional planning, materials, evaluation, and reporting of pupil progress. Student communication and personal development are stressed through exploratory programs and the balance of teaching and learning styles. Inquiry, problem solving, and discovery methods used to show the importance of content knowledge and its application to decision making. Emphasis on the importance of interdisciplinary units of instruction to acculturate students. Prerequisite: Educ 412 or may be taken concurrently.

Educ 420 (F, S) 3 hrs. cr.

Introduction to Counseling
(Writing Intensive)

Survey course exploring the role and function of counseling, including philosophies, theories, techniques, legal and ethical issues, assessment, and research. Designed as an overview for the classroom teacher, the reading specialist, and the special educator for use with students and parents.

Educ 422 (F, S, Demand) 2 hrs. cr.

Teaching Reading in Secondary School
(Writing Intensive)

Secondary education majors explore, study, and apply a variety of research-based and classroom-tested teaching/learning strategies designed to enhance and extend teaching in their content areas; develop and design materials that integrate reading into their content areas; identify and modify critical thinking strategies relevant to their content areas; compile and understand effective reading/study skills components appropriate for secondary students; compose their philosophy of reading; and review assessment techniques relevant to reading in the secondary school. Prerequisite: Junior Block

Educ 423 (F, S) 2 hrs. cr.

Classroom Management

Classroom Management introduces concepts, skills, and models for developing a personalized three-dimensional approach to behavior and classroom management. How to prevent discipline problems, what to do when problems occur, and what to do to decrease the possibility of problems recurring. Must be taken concurrently with Educ 329 and Educ 321.

Educ 430 (F, S, Demand) 3 hrs. cr.

Language Development of Exceptional Children
Required for certification in special education and recommended for teachers of students focusing on early childhood education. Basic structures of language, normal sequence of language acquisition, and characteristics of language disabilities. Strategies suggested for both assessing and remediating language delays or disorders.

Educ 432 (F, S, Demand) 2 hrs. cr.

Critical Issues in Education

Exploration of current problems with special regard to legal and professional roles of school personnel, their relationships to federal and state governments and local school districts; certification, salary schedules, retirement, and other benefits, professional organizations for teachers, and relationship with administration, pupils, parents, and the community. Part of Professional Semester.

Educ 442 (F, S) 8 hrs. cr.

Student Teaching-Elementary

Supervised teaching on the elementary level in an assigned off-campus school site. The elementary student teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 444 (F, S) 8 hrs. cr.

Student Teaching-Special Education

Supervised teaching in a special education setting in an assigned off-campus site. Course assignments consist of 50 full teaching days (10 weeks) and require the students to demonstrate their ability to be entry-level effective decision making teachers. Arrangements for placement are to be made in the semester preceding the actual student teaching block. The student will be required to divide the 10 week experience into two segments — elementary and secondary. Assignment to the sites is determined by the special education practicum assignment. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 446 (F, S, Demand) 3 hrs. cr.

Practicum in Special Education

Clinical experience in special education settings with students who have mild/moderate disabilities. This experience will occur in one of the following classroom settings: cross-categorical, learning disabled, mentally handicapped, or behavior disordered. A three credit practicum plus student teaching experience will be needed in each area of certification. Includes both time in special education classes and on-campus seminar sessions. Prerequisites: Educ 324 and 3 credit hours of special education methods.

Educ 452 (F, S) 8 hrs. cr.

Student Teaching-Middle School

Supervised teaching on the middle school level in an assigned off-campus school site. The middle school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 462 (F, S) 8 hrs. cr.

Student Teaching-Secondary

Supervised teaching on the secondary level in an assigned off-campus school site. The secondary school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placements are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.

Educ 464 (F, S) 8 hrs. cr.

Student Teaching - (K-12)

Supervised teaching on the secondary and elementary levels in assigned off-campus school sites. The PK-12 teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. The student will be required to divide the 10 week period into two segments: Five weeks at the elementary level and five weeks at the secondary level. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 470 (F, S, Demand) 3 hrs. cr.

Diagnostic and Remedial Reading
(Writing Intensive)

Prepares the beginning remedial reading teacher and the regular classroom teacher to deal with remedial reading problems. Emphasis on diagnosis of problems more clinical in nature with techniques, materials, and management being stressed. Prerequisites: Educ 342, Educ 343, or may be taken concurrently with Educ 343.

Educ 471 (Summer) 3 hrs. cr.

Practicum in Diagnosis of Reading Difficulties

Practice of administering, interpreting, and reporting diagnostic test results of reading difficulties. Prerequisites: Educ 342 or Educ 422, Educ 343, Educ 470, and Educ 474.

Educ 472 (Summer) 3 hrs. cr.

Practicum in Remediation of Reading Difficulties

Practice of using and reporting results of remedial methods in a case study of reading difficulties. Prerequisites: Educ 342 or Educ 422, Educ 343, Educ 470, Educ 471, and Educ 474.

Educ 474 (S) 3 hrs. cr.

Educational-Psychological Testing in Special Education

Comprehensive study of the various psycho-educational assessment techniques for diagnosis of learning problems of exceptional children, including educational, intelligence, and psychomotor. Emphasis on translating assessment data to remedial programs. Prerequisites: Educ 302 and Psy 310.

Educ 480 (S)

3 hrs. cr.

Methods and Techniques for TESOL

Introduces techniques for teaching ESOL. Includes work with ESOL students, class observations, and hands-on experience with a variety of materials. (May be taken after or concurrently with Junior Block.)

Educ 481 (Summer)

3 hrs. cr.

Material Development and Assessment for TESOL

Analysis and preparation of materials for teaching ESOL and the basics of test development for ESOL. Prerequisite: Educ 480

Educ 482 (F)

3 hrs. cr.

Practicum for Teaching English to Speakers of Other Languages

Supervised practical classroom experience in teaching ESOL. Prerequisites: Educ 480 and Educ 481.

Educ 498 (Demand)

1-3 hrs. cr.

Seminar in Problems of Education

A weekly seminar for upper division majors. Credit hours determined by the department each semester. Covers specialized knowledge and/or current research in the discipline. Topics vary by semester and situation. Prerequisites: Advanced standing and consent of department head.

Educ 499 (F, S)

1-3 hrs. cr.

Independent Study

Structured by the adviser with approval of department head. Prerequisites: Advanced standing in the major field and approval of adviser and department head.

School of Technology

Aviation
Computer Aided Drafting & Design
Computer Assisted Manufacturing Technology
Computer Information Science
Criminal Justice
Dental Hygiene
Law Enforcement
Manufacturing Information Management Systems
Medical Technology
Nursing
Paramedic
Pre-Engineering
Preprofessional
Prepharmacy
Radiologic Technology
Respiratory Therapy

School of Technology

School Dean

Jack G. Spurlin
EMS-Annex, 625-9328

Degrees and Majors

Bachelor of Science

Computer Information Science
Criminal Justice Administration
Environmental Health Technology
Management Technology
(in conjunction with the
School of Business Administration)
Medical Technology
Nursing

Associate of Science

Computer Aided Drafting and Design
Computer Analysis
Computer Assisted Manufacturing
Technology
Computer Programming
Dental Hygiene
Environmental Health Technology
Law Enforcement
Nursing
Pre-engineering
Radiologic Technology

Associate of Arts (Preprofessional)

General (Paramedic)
Prepharmacy

Certificate (one year)

Computer Science and Information
Systems

Certificate (less than 30 hours)

Basic Police Recruit
Emergency Medical Technician
Emergency Medical Technician-
Paramedic

Options and Emphases:

Computer Information Science
As a Second Teaching Field
Computer Science Information Systems

Minors: (See departments)

Computer Information Systems
Computer Science
Criminal Justice Administration

Role

The School of Technology is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under, the leadership of professional

educators who also have the advantage of a background of actual work experience in business, industry, health care and government. This instruction is further enhanced by utilizing qualified individuals from business and the professions in the community as guest lecturers and part-time instructors.

Although the courses offered by the departments of the School of Technology in the various curricula are usually specifically career oriented toward a specialized field, the staff of these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities and natural sciences, as well as courses to refine a student's ability to read, write, speak and think, are a required part of each curriculum. As a result, the students majoring in the various curricula in the School of Technology are an integral part of the entire student body.

All courses offered in the School of Technology are designed to provide students with the background or some portion of the background, to enable them to enter the employment field and to meet requirements imposed by any certifying and licensing examinations that may be required in the field.

The School of Technology also recognizes that in many respects the community is also a classroom. Therefore, a number of curricula include courses that are offered by other educational agencies. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular college instructional personnel.

The School of Technology offers curricula leading to the B.S., A.S. and A.A. degrees and to one-year certificates. Programs of shorter duration required for licensure or certification also are offered, often in conjunction with the Division of Continuing Education. In addition, numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry and public service.

All departments work closely with advisory committees made up of persons from business, industry, government and the professions. Input from the advisory committees

aids the faculty of the various departments in maintaining relevancy of course and curriculum content and identifying special needs that can be addressed through continuing education programs.

Goals

The goals of the School of Technology are:

1. to provide opportunities for students to prepare for a broad range of established and emerging careers;
2. to maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society and become a contributing member of their society;
3. to provide programs in the most cost effective method possible, that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
4. to provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;
5. to provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
6. to provide a variety of supportive functions that serve a variety of area needs;
7. to offer quality programs and in areas where required, maintain program content necessary for special accreditation;
8. to offer a variety of continuing education programs to meet special needs and demands;
9. to encourage faculty to provide consultation services and otherwise serve as resources for the area;
10. to advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
11. to assist faculty to meet and maintain eligibility for special certification required in numerous programs.

Aviation

EMS, 625-9328

The Aviation Program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri.

For additional information contact:
Dr. Jack Spurlin
Office: EMS-Annex
Phone: 625-9328

Course Descriptions

Av 200

5 hrs. cr.

Basic Pilot Training

An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. Special fees and a third class medical certificate are required. Special fees for this course include plane rental and examiner's test fee. Course grade is recorded as Pass or Fail.

Computer Aided Drafting & Design (CADD)

Ummel Technology Building 112,
625-9567

Faculty Bartholet

The computer aided drafting and design curriculum leads to an associate of science degree in CADD. The curriculum prepares individuals to enter employment as drafters and CAD technicians in the fields of manufacturing, civil, architecture, or construction.

The requirements for the associate of science degree in computer aided drafting and design provide a broad base of technical and Core Curriculum courses. Computer

aided drafting and design hardware and software are used to enhance traditional instruction methods in all courses. Built into the curriculum is an emphasis on both low-end and high-end P.C. based CAD software. As the students study the various fields within drafting, they are given opportunities to apply theory through the various CAD software packages available within the department.

The department also functions as an internationally recognized authorized training center for Autodesk software. This allows each student to be exposed to the latest CAD technology and the application of international standard systems such as A.N.S.I. and I.S.O.

Student internships and independent studies allow the student to join the real world while in school and provide invaluable references for job placement later. Professional faculty maintain close ties with area industries to assure that high quality and currently used technology is taught.

Students who complete the A.S. degree in CADD may continue their education by pursuing a baccalaureate degree in one of three areas: 1) Manufacturing Information Management Systems (MIMS), 2) Computer Information Science, 3) Management Technology.

The first option (refer to MIMS section, page 133) is a joint degree offered through both the School of Technology and the School of Business Administration that is designed to develop a person who is a manufacturing technologist with background in management, TQM, SPC, applied manufacturing concepts, industrial supervision, and applied statistical quality control. The second option is designed to allow the students to develop a systems background in LAN management, data structures and data base operation for large as well as small manufacturing concerns. The third option is designed to allow students to develop management and marketing skills that would lead to an entry level management position in manufacturing.

We also offer a one year certificate program in Manufacturing Applications (See page 168). In addition, we offer CPIM certification courses through American Production and Inventory Control Society (APICS).

Depending upon the student's desires, we have options available to suit most needs for

the majority of the manufacturing industries both here in America and internationally.

Associate of Science Degree in Computer Aided Drafting and Design

	Semester Hours
Core Requirements (p. 43)	26
CADD Requirements	39
CADD 110 Engineering Graphics I	3
CADD 115 Intro to Computer Aided Drafting	3
CADD 120 Descriptive Geometry*	3
CADD 130 Engineering Graphics II	3
CADD 202 Tool Design and Manufacturing*	
OR	
CADD 204 Industrial Statics and Strength of Material*	3
CADD 210 Technical Illustration**	3
CADD 220 Architectural Drafting	
OR	
CADD 330 Computerized Machine Design *	3
CADD 230 Survey and Mapping	
OR	
MIMS 310 Computer Production Planning Control *	3
CADD 260 Engineering Graphics III*	3
CAMT 100 Intro to Machine Tool Processes	3
CAMT 150 Materials & Processes	3
Electives (at least 6 hours):	6
CADD 298 Special Topics in Drafting and Design*	1-3
CADD 490 Internship in Drafting and Design*	1-4
CADD 498 Seminar in Drafting and Design*	1-3
CADD 499 Independent Study*	1-3
ECON 201 Prin of Economics-Macro	3
CAMT 110 Fund Cutting Tools	1
CAMT 160 Inspection and Gaging*	1
CAMT 220 Fundamentals of Robotics*	1
MIMS 310 Computer Production/ Planning Control	3
MIMS 320 Applied Stat Quality Control	3
CIS 305 Micro Comp Applied I	3
CIS 310 Micro Comp Applied II	3
MM 237 Managerial Data Proc	3
MM 337 Management Info Systems	3

*See course description for prerequisites.

**Offered only in the summer.

Suggested Order of Study**Associate of Science Degree**

Major Code 5303

**Computer Aided Drafting
and Design Major****Freshman Year****1st Semester**

Course		Hours
CADD 110	Engineering Graphics I	3
CAMT 100	Intro Mach Tool Proc	3
CAMT 150	Materials & Processes	3
CORE	[Math 30/130]	3
CORE	[Psy 120 College Orient]	1
CORE	[Humanities/Fine Arts]	3
		16

2nd Semester

CADD 115	Intro to CAD	3
Math 112/140	Trigonometry	3
CORE	[Eng 101 Comp I]	3
Comm 101	Oral Comm	3
CORE	[KINE 101 Physical Activity]	1
CORE	[Kine 103 Lifetime Wellness]	2
		15

Summer

CADD 210	Technical Illustration	3
		3

Sophomore Year**1st Semester**

CADD 120	Descriptive Geometry	3
CADD 130	Engineering Graphics II	3
CADD 202	Tool Design/Mftg	OR
CADD 204	Statics/Strength of Materials	3
CORE	[Hist 110 U.S. History]	3
CORE	[Econ 201 Economics-Macro]	3
Elective	Technical Electives	3
		18

2nd Semester

CADD 220	Architectural Drafting	OR
CADD 330	Comp Machine Design	3
CADD 230	Survey and Mapping	3
CADD 260	Engineering Graphics III	3
CORE	[Phys 100 Fund of Phys Sci]	5
Technical Elective		3
		17

[Department Recommendation]
(Prerequisites)

For additional information contact:

Mr. Francis Bartholet

Office: Ummel Technology Building 112

Phone: 625-9567

Course Descriptions**Computer Aided
Drafting & Design
(CADD)**

CADD 110 (F, S)

3 hrs. cr.

Engineering Graphics I

The class requires participation in actual preparation of drawings by using state-of-the-art CADD. Spreadsheet, wordprocessing are incorporated along with geometric construction, lettering, orthographic projection, dimensioning, sections, pictorial drawing, graphs, and diagrams. One hr. lecture, 4 hrs. lab per week.

CADD 115 (S)

3 hrs. cr.

Introduction to Computer Aided Drafting

Computer aided drafting and the design of basic 3D wireframe and 3D models. Individuals who have a background in CADD should take the course for personal or professional improvement. One hr. lecture per week, 4 hrs. lab per week. Prerequisite: CADD 110

CADD 120 (F)

3 hrs. cr.

Descriptive Geometry

Practical applications of advanced projection techniques to problems in civil, structural, mechanical and architectural engineering. Manual and computer assisted projects on methods are introduced. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 & CADD 115.

CADD 130 (F)

3 hrs. cr.

Engineering Graphics II

Detail and assembly drawings of machines and machine elements. Survey of the use of machine tools, processes and materials in the design and fabrication of machine parts. The use of 3D and parametric design software enhance the industrial applications within this course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 202 (F)

3 hrs. cr.

Tool Design and Manufacturing

Principles of tool design with emphasis on the design and graphical representation of common jigs and fixtures used in the manufacturing industry using computer aided design software with group projects and field trips to local industries to enhance the experience. One hr. lecture, 4 hrs. lab per week. Prerequisites: CADD 110 and CADD 115.

CADD 204 (Demand)

3 hrs. cr.

Industrial Statics and Strength of Material

Principles of mechanical design with emphasis on proper selection, function and graphical representation of common machine components. Formulas, vendor catalogs and commercial computer software will be used to select components. One hr. lecture, 4 hrs. lab per week. Prerequisites: CADD 110 & 115, MATH 30 OR ABOVE.

CADD 210 (Summer)

3 hrs. cr.

Technical Illustration

Pictorial drawing with an emphasis on mechanical and architectural applications. Major topics include mechanical illustrations, exploded views and perspectives drawn with a computer aided drafting system. Drawings will involve 2D and 3D illustration, lettering styles and computer generated rendering and animation. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 220 (S)

3 hrs. cr.

Architectural Drafting

Principles of architectural design, preparing sets of working drawings, building details and use of modern construction materials for residential building. Manual and computer aided design techniques used throughout the course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 230 (S)

3 hrs. cr.

Survey & Mapping

Theory, principles and practices of surveying and mapping as applied to construction, site plans and right-of-way planning. Use and care of survey instruments and equipment. Survey reports and computations and preliminary surveys stressed. Calculations conducted manually and with commercial computer software. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 260 (S)

3 hrs. cr.

Engineering Graphics III

A variety of commercial CAD software packages will be discussed in order to better assist the advanced student in developing skill and knowledge in the use of a CAD system to prepare drawings in one or more drafting fields. The current trends in software applications will also be incorporated to meet the changing needs of the students to better prepare them for employment. Three 1 hr. lectures per week, open labs as required. Prerequisites: CADD 110, CADD 115 and one or more drafting specialty courses from the following: CADD 130, CADD 202, CADD 220 or CADD 230. A student having industrial drafting experience may be admitted with consent of instructor if CADD 115 or equivalent industrial training course has been completed.

CADD 298 (Demand) 1-8 hrs. cr.

Special Topics Draft/Design

A special topic or topics not normally included in another drafting/design course. Prerequisites determined by the department and stipulated in a course syllabus.

CADD 330 (Demand) 3 hrs. cr.

Computer Machine Design

Instruction in the principles, theory and applications of machine design utilizing the CAD workstation. Special emphasis on solid modeling and design analysis. Three hrs. lecture labs are arranged. Prerequisite: CADD 110, MATH 112 OR ABOVE.

CADD 490 (Demand) 1-8 hrs. cr.

Internship in Drafting and Design

A structured work experience in drafting/design at an institution, facility or industry not directly related to Missouri Southern. The work experience will be a practical application of the student's major field of study under the direct supervision of an on-site professional who is not a Southern faculty or staff member. The on-site professionals will supervise the student's activity in the field. A faculty member will be responsible for approving the placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CADD.

CADD 498 (Demand) 1-3 hrs. cr.

Seminar in Drafting & Design

Specialized knowledge and skills related to new developments in drafting and design. Topics will vary by the semester and situation. Prerequisite: An associate degree in drafting & design or senior standing in management-technology or industrial technology.

CADD 499 (Demand) 1-3 hrs. cr.

Independent Study in Drafting & Design

Individually directed reading, research and discussions in selected areas of drafting and design for advanced majors. Scope, depth, area of concentration and credit hours will be arranged when registering for the course. Offered by arrangement. Prerequisite: 15 hrs. of drafting with 3.0 GPA and permission of instructor, department head and school dean.

Computer Assisted Manufacturing Technology (CADD)

Ummel Technology Building 115,
625-9327

Faculty Schultz

The department offers an associate of science degree. The requirements of this degree will provide a progressive and flexible technical education which will assist in securing employment in rapidly changing technological fields.

A variety of courses in this program emphasize the use of computers and various software which enrich the skills acquired by the students to compete in this ever-changing age of modern technology. These include: Computer Numerical Control, Introduction to CADD, Fundamentals of Robotics, Computer Animation in Industry, Computer Assisted Manufacturing and Computerized Production Planning and Control Systems. General education course work in mathematics, physical science, English, history and communications will give the student a total education.

The courses in the computer assisted manufacturing technology curriculum are designed to provide the students with applications-oriented training in both basic and advanced aspects of technology. Lectures followed by Lab training on equipment such as a computer numerical control machining center and an industrial robot enable the student to apply information learned in lecture and also allow for individual innovation. Students have received recognition in world-class competition for innovative developments in robotics.

Professional faculty interact with local industry to insure that instruction is current with the latest technological developments. This interaction of faculty and involvement of an individual in Society of Manufacturing Engineers Student Chapter provides students with excellent contacts for internships and employment.

Students who complete the A.S. degree in CAMT may continue their education by pursuing a baccalaureate degree in one of three areas: 1) Manufacturing Information Management Systems (MIMS), 2) Computer Information Science, 3) Management Technology.

The first option (refer to MIMS section, see page 133) is a joint degree offered through both the School of Technology and the School of Business Administration designed to equip the manufacturing technologist with vital management skills in areas such as TQM, SQC/SPC, EDI and Computerized Manufacturing Applications. The second option is a BS degree with a background in LAN management, data structures and data base operation. The third option would provide management and marketing skills that would lead to an entry level management position in manufacturing.

We also offer a one-year certificate program in Manufacturing Applications (See page ???). In addition, we offer CPIM certification courses through American Production and Inventory Control Society (APICS) as well as CAM software training through continuing education.

Associate of Science in Computer Assisted Manufacturing Technology

	Semester Hours
Core Requirements (p. 43)	26
Computer Assisted Manufacturing Technology Requirements	38
CAMT 100 Intro to Machine Tool Processes	3
CAMT 105 Precision Machining	3
CAMT 150 Materials and Processes	1
CAMT 110 Fund Cutting Tools	1
CAMT 160 Inspect & Gaging	3
CAMT 220 Robotics	1
CAMT 200 Computer Numerical Control	3
CAMT 202 Tool Design/Manufacture	3
CAMT 250 Computer Assisted Manufacturing	3
CADD 110 Engineering Graphics I	3
CADD 115 Intro to CAD	3
Math 112 Trigonometry	3
MIMS 310 Computer Prod Planning	3

Manufacturing Technology Electives (at least 5 hours) 5

CAMT 210 Computer Animation for Industry	3
CADD 204 Mechanical Design	3
CADD 330 Computer Machine Design	3
CAMT 499 Independent Study in Manufacturing Tech	1-3
CAMT 498 Seminar in Manufacturing Technology	1-3
CAMT 490 Internship in Manufacturing	

	Technology	1-8
CAMT 298	Special Topics in Manufacturing Technology	1-8
CAMT 330	Quality Control and Reliability	3
CADD 260	Computer Aided Drafting*	3
Any other CAMT or CADD courses or other classes approved by the department adviser.		

*See course descriptions for prerequisites.

Suggested Order of Study

Associate of Science Degree

Major Code 5399

Computer Assisted Manufacturing Technology Major

Freshman Year

1st Semester		Hours
Course		
CAMT 100	Intro Mach Tool Proc	3
CAMT 150	Materials & Processes *	1
CAMT 110	Fund. of Cutting Tools*	1
CAMT 220	Robotics*	1
CAMT 160	Inspect & Gaging	3
CADD 110	Engineering Graphics I	3
CORE	College Algebra (Math 130)	
OR		
CORE	Inter Algebra (Math 030)	3
CORE	[Psy 120 College Orient]	1
		16

2nd Semester

CAMT 105	Precision Machining	3
CADD 115	Intro to CADD	3
Math 112	Trigonometry	
OR		
Math 140	Algebra & Trig	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore Year

1st Semester		Hours
CAMT 202	Tool Design/Manufacture	3
CAMT 200	Comp Numeric Control	3
CORE	(Phys 100 Fund of Phys Sci)	5
CORE	(Hist 110/Hist 120/PSc 120)	3
Technical Elective		3
		17

2nd Semester

CORE	[Econ 201Econ-Macro]	3
CAMT 250	Comp Assisted Manu	3
MIMS 310	Comp Prod Planning	3
CORE	[Humanities/Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness]	2
Technical Elective		2
		16

For additional information contact:
Don Schultz
Office: Ummel Technology Building 115
Phone: 625-9327

Course Descriptions

CAMT 100 (F, S) 3 hrs. cr.

Intro to Machine Tool Processes

The theory and safe operation of basic machine tools. Fundamental practices include: safety, basic mathematics, blue print reading, benchwork, precision measurement, metal sawing, drills and drilling, pedestal bench grinding, engine lathes, mills. One hr. lecture, 4 hrs. lab per week.

CAMT 105 (F, S) 3 hrs. cr.

Precision Machining

An introduction to the operation of surface, cylindrical, tool and cutter grinders. Principles of inspection and gaging, applied trigonometry, tooling geometry and advanced lathe and milling practices will be covered. One hour lecture, 4 hrs. lab per week. Prerequisites: CAMT 100, CADD 110, Math 130 or consent of instructor.

CAMT 110 (F, S) 1 hrs. cr.

Fundamentals of Cutting Tools

Introduction to tool geometry, chip formation and effects of coolants and tool design on tool life. Instruction on the sharpening of standard cutting tools for drilling, formed relieved end mills and mill cutters, and the applications of various factors on machinability. The use of carbides and ceramics as cutting tools. Class meets for five weeks. One hour lecture and four hours laboratory per week. Prerequisite: Take concurrently with CAMT 150 and CAMT 220 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 150 (F, S) 1 hrs. cr.

Materials and Processes

A survey of manufacturing materials and processes. Properties of ferrous metals and nonferrous metals and plastics. Introduction and application of the principles of casting, welding, molding, hot working, cold working, stamping, forming and material removal processes. Class meets for five weeks. One hour lecture and four hours lab per week. Prerequisite: Take concurrently with CAMT 110 and CAMT 220 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 160 (S) 3 hrs. cr.

Inspection and Gaging

Inspection, gaging and precision measurement procedures utilizing mechanical, electronic and optical measuring equipment and related math. Geometric dimensioning and tolerancing emphasized. Computer assisted process control methods are introduced and applied to specific inspection procedures. One hour lecture, 4 hrs. lab per week.

CAMT 200 (F, S) 3 hrs. cr.

Computer Numerical Control

Basic numerical control concepts and its applications, the operation and setup of numerical control machines including Vertical machining centers and turning centers, numerical control programming as applied to machining applications using MDI. One hr. lecture, 4 hrs. lab per week. Prerequisites: CAMT 100, CADD 110, Math 30 or 112 or consent of instructor.

CAMT 210 (S) 3 hrs. cr.

Computer Animation For Industry

Fundamentals of computer animation on a personal computer focusing on industrial applications, such as product promotion and marketing, motion simulation of machine elements and mechanisms, and its use in presentation, training and instruction. Involves imparting movement and photorealistic appearance to geometric shapes and models. One hour lecture and 4 hrs. lab per week. Prerequisites: CADD 115 or COMP 105 or permission of the department.

CAMT 220 (F) 1 hr. cr.

Fundamentals of Robotics

Fundamental concepts underlying robot programming and its applications in the manufacturing industry. Covers operation of an industrial robot arm, both lead through and textual programming, end effector design, interfacing with computers and CNC machines and control systems. Class meets for five weeks. One hour lecture and four hours laboratory per week. Prerequisite: Take concurrently with CAMT 110 and CAMT 150 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 240 (S) 3 hrs. cr.

Industrial Materials

Introduction to metallurgy and nonmetallic materials currently used in today's modern manufacturing settings. Theory and application of principles for identifying, producing, conditioning and testing materials. Laboratory activities involve both manual and computer assisted testing. One hr. lecture and 4 hr. lab per week. Prerequisite: CAMT 150.

CAMT 250 (S) 3 hrs. cr.

Computer Assisted Manufacturing

Advanced techniques of CNC & N/C programming using a completely integrated environment. Concepts of manufacturing programs being an integral part of a dynamic environment as compared to being in an isolated system. One hr. lecture, 4 hr. lab per week. Prerequisites: CAMT 200 or consent of instructor.

CAMT 298 (Demand) 1-8 hrs. cr.

Selected Topics in Manufacturing Technology

Special topics in new or emerging manufacturing technology that are not normally included in another course. Prerequisites will be specified by the department in a course syllabus.

CAMT 310 (F) 4 hrs. cr.

Manufacturing Data Processing

Designed to teach overall data processing techniques as relating to the manufacturing environment. A solid foundation of manufacturing processes and departmental structuring is required in addition to a knowledge of microcomputer usage. Two hrs. lecture, 6 hrs. lab per week. Prerequisites: CAMT 100, Comp 105 or PC DOS, CADD 115, Acct 201 or consent of instructor.

CAMT 330 (F) 3 hrs. cr.

Quality Control and Reliability

The concept of quality control and its applications. The importance of quality control, tools and techniques of SPC/SQC covering control charts used in quality control analysis, inspection and testing for quality control, process variability, product reliability and maintainability. Two hrs. lecture, 4 hrs. lab per week. Prerequisites: CAMT 100 & 160, Comp 105 or PC DOS, Math 310 or GB 321 or GB 405 or consent of instructor.

CAMT 490 (Demand) 1-8 hrs. cr.

Internship in Manufacturing Technology

A structured work experience in manufacturing technology at an institution, facility or industry not directly related to Missouri Southern. Practical application of the student's major under the direct supervision of an on-site professional who is not an MSSC faculty or staff member. A faculty member will be responsible for approving the placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CAMT courses and permission of a committee.

CAMT 498 (Demand) 1-3 hrs. cr.

Seminar in Manufacturing Technology

Covers specialized knowledge and skills related to new developments in manufacturing technology. Topics will vary by the semester and situation. Prerequisite: Senior standing in management-technology or an associate degree in manufacturing technology.

CAMT 499 (Demand) 1-3 hrs. cr.

Independent Study in Manufacturing Technology

Individually directed reading, research and report preparation in selected areas of contemporary manufacturing technology, for advanced majors. Scope, depth and area of concentration and credit will be arranged when enrolling in the course. Offered by arrangement. Prerequisite: Completion of required manufacturing technology courses with minimum 3.0 GPA and permission of instructor, department head and school dean.

Manufacturing Information Manage- ment Systems (MIMS)

(See page 133 - School of Business
Administration for more information)

Suggested Order of Study

Bachelor of Science in Management Technology with an emphasis in Manufacturing Information Management Systems (MIMS)

Junior Year

1st Semester		Hours
MIMS 310	Comp Prod Plan/Control	3
Acct 201	Prin of Accounting I	3
GB 321	Business Stats I	3
MM 350	Prin of Management	3
CORE	[Eng 102 Comp II]	3
CORE	[Econ 201 Econ-Macro]	3
		18

2nd Semester

MM 354	Total Quality Mgmt	3
GB 405	Statist Quality Control	3
MIMS 420	Mfg Computer Appl	3
CORE	[Fine Arts/Humanities]	3
CORE	[Bio 101 Gen Biology]	4
CORE	[GB 310 Intro to Business]	3
		16

Senior Year

1st Semester		Hours
CIS 315	Lan Mgmt	3
MM 431	Operations Mgmt	3
MIMS 320	Applied Stat Quality Ctrl	3
MIMS 350	Ind Supervision	3
CORE	[Fine Arts/Humanities]	3
		15

2nd Semester

Econ 202	Prin of Econ-Micro	3
MIMS 450	Electronic Data Systems	3
MIMS 490	Mfg Appl	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Hist 120/320]	3
		15

Students should consult the Dean of the School of Technology at the earliest possible date in order to incorporate the correct sequence into the appropriate associate of science degree program.

For additional information contact:
Dean of School of Business Administration
Office: Matthews Hall 302
Phone: 625-9319

For additional information contact:
Dean of School of Technology
Office: EMS Building
Phone: 625-9328

Course Descriptions

MIMS 310 (F) 3 hrs. cr.

Computer Production/Planning Control

Theory and application of Production and Inventory management philosophies and techniques as they relate to the study of computer-integrated manufacturing (CIM). Five hrs. lecture/labs. Prerequisite: MATH 30 OR ABOVE, COMP 105 OR CIS 305.

MIMS 320 (F) 3 hrs. cr.

Applied Statistical Quality Control

The concept of quality control and its applications. Importance and impact of Total Quality Control for manufacturing industries in today's age of global competition. Tools and techniques of Statistical Quality/Process Control including control charts will be discussed. Aspects of inspection, testing as they relate to interface with quality control and automated data collection will be covered. Prerequisites: Math 130 or above, GB 321 or permission of department head.

MIMS 350 (F) 3 hrs. cr.

Industrial Supervision (Writing Intensive)

A dynamic look at the interrelationship between work assignments, work performance, and performance outcomes within an industrial work environment. An examination of group dynamics, presentations, and basic interpersonal skills will be combined to establish an understanding and develop a sense of commitment to a positive and progressive work ethic. Prerequisite: Junior standing.

MIMS 410 (S) 3 hrs. cr.

International Trends in Manufacturing*(Writing Intensive)*

Discussion of issues and trends in U.S. manufacturing and technology with special emphasis on the causes and consequences of its internationalization in the face of global competition. Course content may vary to ensure that contemporary or latest developments are highlighted. Prerequisites: Junior standing, 6 hrs. of English Comp. or permission of the department.

MIMS 420 (S) 3 hrs. cr.

Manufacturing Computer Applications

Introduces problem solving and analysis in the application of integrated manufacturing information systems software. Students will address the following areas of application: design, production routing, project planning and tracking, material handling and inventory control, coding and classification using current integrated manufacturing software. Prerequisites: CIS 315, MIMS 310

MIMS 450 (S) 3 hrs. cr.

Electronic Data Communications Systems

A survey of techniques and principles used to obtain maximum utilization of the new horizons in data communications. Will cover modem hardware and software installation and operation. E-mail, data compression schemes, off-line readers and the Internet will be explored. Setup and operation of BBSes for Businesses will be discussed. One hour lecture with four hours of lab every week for a total of 16 weeks. Lab time to be on the Southern BBS using online E-Mail, file transfer and protocol test for assignments. Prerequisite: None.

MIMS 490 (S) 3 hrs. cr.

Manufacturing Applications (Capstone)

Allows the student to build on all the skills and knowledge gained in prior coursework and creative implementation of the concepts learned through projects or internships pertaining to various manufacturing applications. Will work in teams on project(s) that will take them from ideas through various aspects of design, development and manufacturing to conclusion. Prerequisites: Senior standing, MIMS 310, MM 354, MIMS 420, Math 140.

One Year Certificate in Manufacturing Applications

One year certificate program in Manufacturing Applications is offered through Computer Aided Drafting and Design (CADD) and Computer Assisted Manufacturing Technology (CAMT). Refer to the individual departments CADD (page 163) and CAMT (page 165) for course descriptions.

Suggested Order of Study

1st Semester		
Course		Hours
CAMT 100	Intro to Machine Tools	3
CAMT 110	Fund of Cutting Tools	1
CAMT 160	Inspection & Gaging	3
CADD 115	Intro to CAD	3
CADD 110	Engineering Graphics I	3
CAMT 150	Materials & Processes	1
CADD 180/CAMT 180	Industrial Ethics	3
		17
2nd Semester		
CAMT 105	Precision Machining	3
CADD 130	Engineering Graphics II	3
CADD 202/CAMT 202		
	Tool Design and Mfg.	3
CAMT 200	Computer Num. Control	3
MATH 30	Intermediate Algebra	3
Technical Elective		3
		18
		35

Computer Information Science

Matthews Hall 223, 625-9383

Faculty Oakes – Head, Earney, Herr, Kelley, Kemm, Mays, Tunnell

The Computer Information Science (CIS) department provides opportunities for a broad undergraduate education in the many aspects of computer hardware and software. The faculty's main objective is to offer courses of instruction which develop a thorough understanding of methods for utilizing computer technology in the design and implementation of solutions to complex management, scientific, and engineering problems. Within this context, the department offers the following curricula options:

- Bachelor of Science in CIS - Information Systems
- Bachelor of Science in CIS - Computer Science
- Bachelor of Science in CIS - Computational Mathematics
- Bachelor of Science in CIS - Informatics
- Bachelor of Science in CIS - Computer Technology
- Minor in CIS - Network Systems Administration
- Minor in CIS - Information Systems/Informatics
- Minor in CIS - Computer Science
- Associate of Science in CIS - Network Systems Administration
- Associate of Science in CIS - Information Systems/Informatics
- Associate of Science in CIS - Computer Science
- Certificate of Achievement in Network Systems Administration

The bachelor of science alternatives prepare the student for graduate school or entry level positions such as systems programmer, systems analyst, applications programmer, or network administrator. A minor or associate of science provides the student pursuing some other major with a credential and expertise in computing, an enhancement which is becoming increasingly important in almost every area of science, education, business, and the arts.

The information systems/informatics major is

distinguished by selected CIS and business classes which develop the student's understanding of an organization's information requirements and procedures for designing an information system which will facilitate the management of the organization. The computer science major requires that the student take CIS and mathematics classes which develop an expertise in applied mathematics and the theoretical foundations of computer science. Such knowledge is required to design and implement computer solutions for a wide range of problems encountered in science and engineering.

The computational mathematics curriculum meets the requirements for a double major in computer information science and mathematics. Computer technology qualifies the student for an associate of science degree in computer aided drafting and design (CADD) or computer assisted manufacturing technology (CAMT), as well as a major in CIS.

The network systems administration alternatives are designed to provide the student with the knowledge base necessary for managing local/wide area computer networks, as well as being able to provide user support and training in the area of personal computer hardware and application software.

The nature of computer information science is such that a student selecting this major should enjoy and have a talent for solving problems. The effectiveness of the CIS curricula is measured by the success of our graduates. Their average starting salaries are among the highest when compared to other majors, and placement records indicate that they have enjoyed an excellent placement rate. Many hold positions as middle and upper-level managers for a wide range of organizations, and several have earned graduate degrees.

Bachelor of Science in CIS – Information Systems Major

Core Requirements (p. 43) (51*) **45**

CIS Core			45
Comp 110	Programming I	3	
Comp 210	Programming II	3	
Comp 230	Report Program Generation (RPG)	3	
Comp 234	Business Data Processing Techniques (COBOL)	3	
Comp 302	Information Systems I (WI)	3	
CIS 305	Microcomputer Applications I	3	

CIS 310	Microcomputer Applications II	3
CIS 315	Computer Networks I	3
CIS 321	Interactive RPG/400	3
CIS 334	Advanced Structured COBOL	3
CIS 335	Object Oriented Programming	3
CIS 350	Data Structures	3
CIS 410	Information Systems II	3
CIS 425	Database Management Systems (WI)	3
CIS 450	Operating Systems (WI)	3
Business Core **		24
Acct 201	Principles of Accounting I	3
Acct 202	Principles of Accounting II	3
Econ 201	Principles of Economics (Macro)	3
Econ 202	Principles of Economics (Micro)	3
Econ 350	Financial Management I	3
GB 321	Business Statistics I	3
MM 300	Principles of Marketing	3
MM 350	Principles of Management (WI)	3
Mathematics Core		3
Math 130 or above		3
General Electives		11
Total		128

* Mathematics and economics courses in major requirements satisfy six hours of the Core Curriculum.

** Business Core qualifies for a minor in business.

Bachelor of Science in CIS – Computer Science Major

Core Requirements (p. 43) (51*)		43
CIS Core		48
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 234	Business Data Processing Techniques (COBOL)	3
Comp 302	Information Systems I (WI)	3
CIS 305	Microcomputer Applications I	3
CIS 310	Microcomputer Applications II	3
CIS 315	Computer Networks I	3
CIS 330	Assembly Language	3
CIS 334	Advanced Structured COBOL	3
CIS 335	Object Oriented Programming	3
CIS 350	Data Structures	3
CIS 360	Computer Graphics	3
CIS 410	Information Systems II	3
CIS 425	Database Management Systems (WI)	3

CIS 430	Introduction to Artificial Intelligence	3
CIS 450	Operating Systems (WI)	3
Mathematics Core **		21
Math 150	Calculus with Analytic Geometry I	5
Math 250	Calculus with Analytic Geometry II	5
Math 260	Calculus with Analytic Geometry III	5
Math 300	Fundamentals of Math Thought	3
Math 371	Introduction to Operations Research (WI)	3
Physics Core		5
Phys 151	Elementary College Physics I	5
General Electives		11
Total		128
* Mathematics and physics courses in major requirements satisfy eight hours of the Core Curriculum.		
** Mathematics Core qualifies for a minor in mathematics.		

Bachelor of Science in CIS - Computational Mathematics Major *

Core Requirements (p. 43) (51**)		43
CIS Core		33
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 234	Business Data Processing Techniques (COBOL)	3
CIS 315	Computer Networks I	3
CIS 335	Object Oriented Programming	3
CIS 350	Data Structures	3
CIS 360	Computer Graphics	3
CIS 425	Database Management Systems (WI)	3
CIS 430	Introduction to Artificial Intelligence	3
CIS 450	Operating Systems (WI)	3
CIS Electives	Numbered 305 and above	3
Mathematics Core		33
Math 150	Calculus with Analytic Geometry I	5
Math 250	Calculus with Analytic Geometry II	5
Math 260	Calculus with Analytic Geometry III	5
Math 300	Fundamentals of Mathematical Thought	3

Math 350	Introduction to Numerical Analysis	
OR		
Math 431	Numerical Analysis	3
Math 351	Linear Algebra	3
Math 371	Introduction to Operations Research (WI)	3
Math Electives	Numbered 320 and above	6
Supporting Requirements		13
Phys and Chem Electives ***		
General Electives		6
Total		128

* This option also qualifies for a bachelor of science in mathematics. It is listed as the computational mathematics alternative in the Mathematics section of the catalog.

** Mathematics, chemistry, and physics courses in major requirements satisfy eight hours of the Core Curriculum.

*** Must include one from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, Phys 300).

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics and computer information science requirements.

Bachelor of Science in CIS Informatics Major

Core Curriculum (p. 43) (51*)		48
CIS Core		45
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 230	Report Program Generation (RPG)	3
Comp 234	Business Data Processing Techniques (COBOL)	3
Comp 302	Information Systems I (WI)	3
CIS 305	Microcomputer Applications I	3
CIS 310	Microcomputer Applications II	3
CIS 315	Computer Networks I	3
CIS 321	Interactive RPG/400	3
CIS 334	Advanced Structured COBOL	3
CIS 335	Object Oriented Programming	3
CIS 350	Data Structures	3
CIS 410	Information Systems II	3
CIS 425	Database Management Systems (WI)	3
CIS 450	Operating Systems (WI)	3

170 / Computer Science

Business Core	6
Acct 201 Principles of Accounting I	3
Acct 202 Principles of Accounting II	3
Mathematics Core	3
Math 130 or above	3
Professional Concentration **	18-27
General Electives	0-8
Total	128-129

*Mathematics course in major requirements satisfies three hours of the Core Curriculum.

**Professional Concentration must meet the requirements of a minor in an area such as a foreign language, communications, or criminal justice. This area must be approved by the students adviser and the CIS department head.

Bachelor of Science in CIS - Computer Technology Major (CADD)*

Core Requirements (p. 43) (51**)	48
CIS Core	36
Comp 110 Programming I	3
Comp 210 Programming II	3
Comp 234 Business Data Processing Techniques (COBOL)	3
Comp 302 Information Systems I (WI)	3
CIS 305 Microcomputer Applications I	3
CIS 310 Microcomputer Applications II	3
CIS 315 Computer Networks I	3
CIS 335 Object Oriented Programming	3
CIS 350 Data Structures	3
CIS 360 Computer Graphics	3
OR	
CIS 410 Information Systems II	3
CIS 425 Database Management Systems (WI)	3
CIS 450 Operating Systems (WI)	3
CADD Core	30
CADD 110 Engineering Graphics I	3
CADD 115 Intro to Computer Aided Drafting	3
CADD 120 Descriptive Geometry	3
CADD 130 Engineering Graphics II	3
CADD 204 Industrial Statics	3
CADD 210 Technical Illustration	3
CADD 260 Engineering Graphics III	3
MIMS 310 Computerized Production Planning and Control Systems	3
CAMT 100 Intro to Machine Tool Processes	3
CAMT 150 Materials and Processes	3

Mathematics Core	3
Math 112 Trigonometry (or as approved by adviser)	3
Professional Electives	7
(upper division as approved by adviser)	
General Electives	4
Total	128

* This option also qualifies for an associate of science in computer aided drafting and design.

** Mathematics course in major requirements satisfy three hours of the Core Curriculum.

Bachelor of Science in CIS - Computer Technology Major (CAMT)*

Core Requirements (p. 43) (51**)	48
CIS Core	36
Comp 110 Programming I	3
Comp 210 Programming II	3
Comp 234 Business Data Processing Techniques (COBOL)	3
Comp 302 Information Systems I (WI)	3
CIS 305 Microcomputer Applications I	3
CIS 310 Microcomputer Applications II	3
CIS 315 LAN Management	3
CIS 335 Object Oriented Programming	3
CIS 350 Data Structures	3
CIS 360 Computer Graphics	3
OR	
CIS 410 Information Systems II	3
CIS 425 Database Management Systems (WI)	3
CIS 450 Operating Systems (WI)	3
CAMT Core	33
CAMT 100 Intro to Machine Tool Processes	3
CAMT 105 Intermediate Machine Tool Processes	3
CAMT 110 Fundamentals of Cutting Tools	1
CAMT 150 Materials and Processes	3
CAMT 160 Inspection and Gaging	1
CAMT 200 Computer Numerical Control	3
CAMT 220 Robotics	1
CAMT 250 Computer Assisted Manufacturing	3
CADD 110 Engineering Graphics I	3
CADD 115 Intro to Computer Aided Drafting	3
CADD 130 Engineering Graphics II	3
MIMS 310 Computerized Production Planning and Control Systems	3

Mathematics Core	3
Math 112 Trigonometry (or as approved by adviser)	3
Professional Electives	7
(upper division as approved by adviser)	
General Electives	1
Total	128

* This option also qualifies for an associate of science in computer assisted manufacturing technology.

** Mathematics course in major requirements satisfy three hours of the Core Curriculum.

Minor in CIS - Network Systems Administration

CIS Core	24
Comp 110 Programming I	3
Comp 210 Programming II	3
CIS 305 Microcomputer Applications I	3
CIS 310 Microcomputer Applications II	3
CIS 315 Computer Networks I	3
CIS 320 LAN Administration I	3
CIS 325 LAN Administration II	3
CIS 345 Computer Networks II	3
Total	24

Minor in CIS - Information Systems/Informatics Minor

CIS Core	15
Comp 110 Programming I	3
Comp 302 Information Systems I (WI)	3
CIS 305 Microcomputer Applications I	3
CIS 410 Information Systems II	3
Comp/CIS Electives (above Comp 110)	3
Professional Core *	6
Total	21

* Must be selected from the students major area with approval of the CIS department head.

Minor in CIS - Computer Science Minor

CIS Core	15
Comp 110 Programming I	3
Comp 210 Programming II	3
CIS 335 Object Oriented Programming	3
CIS 350 Data Structures	3
Comp/CIS Electives (above Comp 110)	3
Professional Core *	6
Total	21

* Must be selected from the students major area with approval of the CIS department head.

Associate of Science in CIS - Network Systems Administration

Core Requirements (p. 43)* 22-23

CIS Core 30

Comp 110	Programming I	3
Comp 210	Programming II	3
CIS 305	Microcomputer Applications I	3
CIS 310	Microcomputer Applications II	3
CIS 315	Computer Networks I	3
CIS 320	LAN Administration I	3
CIS 325	LAN Administration II	3
CIS 345	Computer Networks II	3
CIS 355	UNIX System Administration	3
CIS 365	Network Hardware Maintenance	3

Math Core 3

Math 112 or above 3

General Electives 8-9

Total 64

*Three hours of the core are satisfied by the curriculum's mathematics requirements.

Associate of Science in CIS - Information Systems/ Informatics Major

Core Requirements (p. 43) (25-26*) 22-23

CIS Core 21

Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 302	Information Systems I (WI)	3
CIS 305	Microcomputer Applications I	3
CIS 315	Computer Networks I	3
CIS 410	Information Systems II	3
Comp/CIS Electives (above Comp 110)		3

Mathematics Core 3

Math 112 or above 3

Professional Core ** 12

General Electives 5-6

Total 64

* Mathematics requirements satisfy three hours of the Core Curriculum.

** Must be selected from an auxiliary area such as art, biology, business, communications, mathematics, nursing, etc. with the approval of the CIS department head.

Associate of Science in CIS - Computer Science Major

Core Requirements (p. 43)(26*) 18

CIS Core 18

Comp 110	Programming I	3
Comp 210	Programming II	3
CIS 315	Computer Networks I	3
CIS 335	Object Oriented Programming	3
CIS 350	Data Structures	3
Comp/CIS Elective (above Comp 110)		3

Mathematics Core 5

Math 150 Calculus with Analytic Geometry I 5

Physics Core 5

Phys 151 Elementary Physics I 5

Professional Core ** 12

General Electives 6

Total 64

* Mathematics and physics courses satisfy eight hours of the Core Curriculum.

** Must be selected from an auxiliary area such as art, biology, business, communications, mathematics, nursing, etc. with the approval of the CIS department head.

Certificate of Achievement in Network Systems Administration

Math 130	or higher	3
Comp 110	Programming I	3
Comp 210	Programming II	3
CIS 305	Microcomputer Applications I	3
CIS 310	Microcomputer Applications II	3
CIS 315	Computer Networks I	3
CIS 320	LAN Administration I	3
CIS 325	LAN Administration II	3
CIS 345	Computer Networks II	3
Total		27

Suggested Order of Study

Bachelor of Science in CIS - Information Systems Major

Freshman Year

1st Semester	Course	Hours
Comp 110	Programming I	3
Math 131	Finite Math	3
Psy 120	College Orientation	1
CORE	[Eng 101 Comp I (WI)]	3
CORE	[Psy 100 Gen Psy]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Kine 103 Lifetime Wellness]	2
		16

2nd Semester

Comp 210	Programming II	3
Econ 201	Prin of Econ (Macro)	3
CIS 305	Microcomputer Applications I	3
CORE	[Eng 102 Comp II (WI)]	3
CORE	[Bio 101 Gen Biology]	4
		16

Sophomore Year

1st Semester	Course	Hours
Comp 234	Bus DP Tech (COBOL)	3
Acct 201	Principles of Accounting I	3
Econ 202	Prin of Econ (Micro)	3
CIS 310	Microcomputer Applications II	3
CORE	[Phys 100 Phys Sci]	5
		17

2nd Semester

Comp 230	Rpt Prog Gen (RPG)	3
CIS 334	Adv Structured COBOL	3
CIS 350	Data Structures	3
Acct 202	Prin of Acct II	3
General Elective		3
		15

Junior Year

1st Semester	Course	Hours
CIS 321	Interactive RPG/400	3
CIS 335	Object Oriented Programming	3
Econ 350	Financial Management I	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 2 C.]	3
CORE	[Hist 110 U.S. History]	3
		18

2nd Semester

Comp 302	Information Systems I (WI)	3
CIS 315	Computer Networks I	3
GB 321	Business Statistics	3
MM 350	Principles of Management	3
CORE	[PSc 120 Govt:US,St,Local]	3
		15

Senior Year

1st Semester	Course	Hours
CIS 410	Information Systems II	3
CIS 450	Operating Systems (WI)	3
MM 300	Principles of Marketing	3
CORE	[Hist 120 U.S. History]	3
General Elective		3
		15

172 / Computer Science

2nd Semester

CIS 425	Database Mgmt Sys (WI)	3
CORE	[Area 5 A.]	3
CORE	[Area 2 A.]	3
CORE	[Area 2 B. Literature]	3
General Elective		4
		16

Bachelor of Science in CIS - Computer Science Major

Freshman Year

1st Semester		Hours
Course		
Comp 110	Programming I	3
Math 150	Calculus I	5
Psy 120	College Orientation	1
CORE	[Eng 101 Comp I (WI)]	3
CORE	[Psy 100 General Psychology]	3
CORE	[Kine 103 Lifetime Wellness]	2
		17

2nd Semester

Comp 210	Programming II	3
Math 250	Calculus II	5
CORE	[Eng 102 Comp II (WI)]	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore Year

1st Semester		
Comp 234	Bus DP Tech (COBOL)	3
CIS 305	Microcomputer Applications I	3
Math 260	Calculus III	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110 U.S. History]	3
		17

2nd Semester

CIS 310	Microcomputer Applications II	3
CIS 334	Advanced Structured COBOL	3
CIS 350	Data Structures	3
Math 300	Fund of Math Thought	3
CORE	[Area 2 A.]	3
		15

Junior Year

1st Semester		
CIS 335	Object Oriented Programming	3
CIS 430	Intro to Artificial Intelligence	3
Math 371	Intro to Oper Research(WI)	3
Phys 151	Elem Coll Physics I	5
General Elective		3
		17

2nd Semester

Comp 302	Information Systems I (WI)	3
CIS 315	Computer Networks I	3
CIS 425	Database Mgmt. Systems (WI)	3
CORE	[PSc 120 Govt: US,St,Local]	3
CORE	[Area 2 C.]	3
		15

Senior Year

1st Semester		
CIS 410	Information Systems II	3
CIS 450	Operating Systems (WI)	3
CORE	[Area 5 A.]	3
CORE	[Econ 180 Amer Econ Sys]	3
General Elective		3
		15

2nd Semester

CIS 330	Assembly Language	3
CIS 360	Computer Graphics	3
CORE	[Area 2 B. Literature]	3
CORE	[Hist 120 U.S. History]	3
General Elective		4
		16

Bachelor of Science in CIS - Computational Mathematics Major

Freshman Year

1st Semester		Hours
Course		
Comp 110	Programming I	3
Math 150	Calculus I	5
Chem 101	General Chemistry I	5
Psy 120	College Orientation	1
CORE	[Eng 101 Comp I (WI)]	3
		17

2nd Semester

Comp 210	Programming II	3
Math 250	Calculus II	5
Phys 250	General Physics I	5
CORE	[Eng 102 Comp II (WI)]	3
CORE	[Kine 101 Physical Activity]	1
		17

Sophomore Year

1st Semester		
Comp 234	Bus DP Tech (COBOL)	3
Math 260	Calculus III	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 2 C.]	3
CORE	[Hist 110 U.S. History]	3
		17

2nd Semester

CIS 315	Computer Networks I	3
CIS 350	Data Structures	3
Math 300	Fund of Math Thought	3
CORE	[Psy 100 General Psychology]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Area 2 A.]	3
		17

Junior Year

1st Semester		
CIS 335	Object Oriented Programming	3
CIS 430	Intro to Artificial Intelligence	3
Math 371	Intro to Oper Research (WI)	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 U.S. History]	3
		16

2nd Semester

CIS 425	Database Mgmt Systems (WI)	3
Math 350	Intro to Numerical Analysis	3
CORE	[GB 310 Internat'l Business]	3
CORE	[PSc 120 Govt: US,St,Local]	3
Math	Elective	3
		15

Senior Year

1st Semester		
CIS 450	Operating Systems (WI)	3
Math 351	Linear Algebra	3
CORE	[Econ 180 Amer Econ Sys]	3
Chem	or Phys Elective	3
General Elective		3
		15

2nd Semester

CIS 360	Computer Graphics	3
CORE	[Area 2 B. Literature]	3
CIS	Elective	3
Math	Elective	3
General Elective		3
		15

Bachelor of Science in CIS Informatics Major

Freshman Year

1st Semester		Hours
Course		
Comp 110	Programming I	3
Math 131	Finite Math	3
Psy 120	College Orientation	1
CORE	[Eng 101 Comp I (WI)]	3
CORE	[Psy 100 Gen. Psy.]	3
CORE	[Kine 101 Activity]	1
CORE	[Kine 103 Lifetime Wellness]	2
		16

2nd Semester

Comp 210	Programming II	3
CIS 305	Microcomputer Applications I	3
CORE	[Eng 102 Comp II (WI)]	3
CORE	[Bio 101 Gen. Biology]	4
Prof. Concentration/General Elective		3
		16

Sophomore Year

1st Semester		
Comp 234	Bus DP Tech (COBOL)	3
Acct 201	Principles of Accounting I	3
CIS 310	Microcomputer Applications II	3
CORE	[Phys 100 Phys. Sci.]	5
Prof. Concentration/General Elective		3
		17

2nd Semester

Comp 230	Rpt. Prog. Gen. (RPG)	3
CIS 334	Adv. Structured COBOL	3
CIS 350	Data Structures	3
Acct 202	Prin. of Acct. II	3
Prof. Concentration/General Elective		3
		15

Junior Year

1st Semester

CIS 321	Interactive RPG/400	3
CIS 335	Object Oriented Programming	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 2 C.]	3
CORE	[Hist 110 U.S. History]	3
Prof. Concentration/General Elective		3

18

2nd Semester

Comp 302	Information Systems I (WI)	3
CIS 315	Computer Networks I	3
Econ 180	American Economic System	3
CORE	[PSc 120 Gov't:US,St,Local]	3
Prof. Concentration/General Elective		3

15**Senior Year**

1st Semester

CIS 410	Information Systems II	3
CIS 450	Operating Systems (WI)	3
CORE	[Hist 120 U.S. History]	3
Prof. Concentration/General Elective		3
Prof. Concentration/General Elective		3

15

2nd Semester

CIS 425	Database Mgmt Sys (WI)	3
CORE	[Area 5 A.]	3
CORE	[Area 2 A.]	3
CORE	[Area 2 B. Literature]	3
Prof. Concentration/General Elective		4

16**Bachelor of Science in CIS -
Computer Technology Major (CADD)****Freshman Year**

1st Semester

Course	Hours
Comp 110 Programming I	3
Math 112 Trigonometry	3
CADD 110 Introduction to Drafting	3
CADD 115 Introduction to CADD	3
CORE [English 101 Comp I WI]	3
Psy 120 College Orientation	1

16

2nd Semester

Comp 210 Programming II	3
CADD 120 Descriptive Geometry	3
CADD 130 Machine Drafting	3
CORE [Eng 102 Comp II (WI)]	3
CORE [Bio 101 General Biology]	4

16**Sophomore Year**

1st Semester

COMP 234 Bus DP Tech (COBOL)	3
CIS 305 Microcomputer Applications I	3
CADD 204 Machine Design	3
CORE [Kine 101 Physical Activity]	1
CORE [Kine 103 Lifetime Wellness]	2
CORE [Comm 100 Oral Comm]	3

15

2nd Semester

CIS 350	Data Structures	3
CIS 310	Microcomputer Applications II	3
CADD 210	Technical Illustration	3
CAMT 100	Intro to Mach Tool Proc	3
CORE [Econ 180 Amer Econ System]		3

15**Junior Year**

1st Semester

CIS 315	Computer Networks I	3
CIS 335	Object Oriented Programming	3
CADD 260	Computer Aided Drafting	3
CAMT 150	Modern Manufacturing Proc	3
CORE [Area 2 C.]		3
General Elective		3

18

2nd Semester

Comp 302	Information Systems I (WI)	3
CORE [Phys 100 Fund of Phys Sci]		5
CORE [Hist 110 U.S. Hist]		3
CORE [Area 2 A.]		3
Professional Elective (upper division)		3

17**Senior Year**

1st Semester

CIS 450	Operating Systems (WI)	3
CIS 410	Information Systems II	3
CADD 310	Comp Prod Plan & Con Sys	3
CORE [Hist 120 U.S. History]		3
CORE [Area 2 B. Literature]		3

15

2nd Semester

CIS 425	Database Mgmt Sys (WI)	3
CORE [Psy 100 Intro to Psy]		3
CORE [Area 5 A. (upper division)]		3
CORE [PSc 120 Gov't:US,St,Local]		3
Professional Elective (upper division)		4

16**Bachelor of Science in CIS -
Computer Technology Major (CAMT)****Freshman Year**

1st Semester

Course	Hours
Comp 110 Programming I	3
Math 112 Trigonometry	3
CADD 110 Introduction to Drafting	3
CADD 115 Introduction to CADD	3
CORE [Eng 101 Comp I WI]	3
Psy 120 College Orientation	1

16

2nd Semester

Comp 210 Programming II	3
CADD 130 Machine Drafting	3
CORE [Eng 102 Comp II (WI)]	3
CORE [Bio 101 General Biology]	4
CORE [Comm 100 Oral Comm]	3

16**Sophomore Year**

1st Semester

COMP 234	Bus DP Tech (COBOL)	3
CIS 305	Microcomputer Applications I	3
CADD 204	Machine Design	3
CAMT 100	Intro to Mach Tool Pro	3
CORE [Kine 101 Physical Activity]		1
CORE [Kine 103 Lifetime Wellness]		2

15

2nd Semester

CIS 350	Data Structures	3
CIS 310	Microcomputer Applications II	3
CAMT 150	Modern Manufacturing Proc	3
CORE [Econ 180 Amer Econ System]		3
CORE [Area 2 A. Literature]		3

15**Junior Year**

1st Semester

CIS 315	Computer Networks I	3
CIS 335	Object Oriented Programming	3
CAMT 200	Computer Numerical Control	3
CAMT 220	Robotics	3
CORE [Area 2 C.]		3
CORE [Area 2 B.]		3

18

2nd Semester

Comp 302	Information Systems I (WI)	3
CAMT 240	Industrial Materials	3
CAMT 250	Computer Assisted Mftg	3
CORE [Phys 100 Fund of Phys Sci]		5
CORE [Hist 110 U.S. History]		3

17**Senior Year**

1st Semester

CIS 450	Operating Systems (WI)	3
CIS 410	Information Systems II	3
CADD 310	Comp Prod Plan & Con Sys	3
CORE [Hist 120 U.S. History]		3
Professional Elective (upper division)		3

15

2nd Semester

CIS 425	Database Mgmt Sys (WI)	3
CORE [Psy 100 Intro to Psy.]		3
CORE [Area 5 A. (upper division)]		3
CORE [PSc 120 Gov't:US,St,Local]		3
Professional Elective (upper division)		4

16**Associate of Science in CIS -
Information Systems/Informatics Major****Freshman Year**

1st Semester

Course	Hours
Comp 110 Programming I	3
CIS 305 Microcomputer Applications I	3
Math 131 Finite Math	3
Psy 120 College Orientation	1
CORE [Eng 101 Comp I (WI)]	3
Professional Core	3

16

174 / Computer Science

2nd Semester

Comp 210	Programming II	3
Comp 302	Information Systems I (WI)	3
CORE	[Area 2 A.]	3
CORE	[Phy 100 or Bio 101]	4-5
Professional Core		3

16-17

Sophomore Year

1st Semester

CIS 410	Information Systems II	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 4 A.]	3
Professional Core		3

15

2nd Semester

CIS 315	Computer Networks I	3
CORE	[Area 4 B.]	3
Comp/CIS Elective		3
Professional Core		3
General Electives		4-5

16-17

Associate of Science in CIS - Computer Science Major

Freshman Year

1st Semester

Course	Hours
Comp 110	Programming I 3
Math 150	Calculus I 5
Psy 120	College Orientation 1
CORE	[Eng 101 Comp I (WI)] 3
CORE	[Econ 180 Amer Econ Sys] 3
CORE	[Kine 103 Lifetime Wellness] 2
	17

17

2nd Semester

Comp 210	Programming II	3
CIS 315	Computer Networks I	3
Phys 151	Elem Coll Physics I	5
CORE	[Comm 100 Oral Comm]	3
Professional Core		3

17

Sophomore Year

1st Semester

CIS 335	Object Oriented Programming	3
CORE	[Area 4 A.]	3
CORE	[Kine 101 Physical Activity]	1
Professional Core		6
General Elective		2

15

2nd Semester

CIS 350	Data Structures	3
Comp/CIS Elective		3
CORE	[Area 2 A.]	3
Professional Core		3
General Electives		3

15

Associate of Science in CIS Network Systems Administration

Freshman Year

1st Semester

Course		Hours
Eng 101	English Composition I	3
Psy 120	College Orientation	1
Comm 100	Oral Communications	3
Math 130	College Algebra	3
Comp 110	Programming I	3
CIS 305	Microcomputer Applications I	3

16

2nd Semester

CORE	[Area 2 A.]	3
Phys 100	Fund of Phys Science	5
Comp 210	Programming II	3
CIS 310	Microcomputer Applications II	3
CIS 315	Computer Networks I	3

17

Sophomore Year

1st Semester

CORE	[Area 4 C.]	3
Kine 101	Physical Activity	1
Elective		3
CIS 320	LAN Administration I	3
CIS 345	Computer Networks II	3
CIS 355	UNIX Systems Administration	3

16

2nd Semester

CORE	[Area 4 A.]	3
Kine 102	Lifetime Wellness	2
Elective		4
CIS 325	LAN Administration II	3
CIS 365	Network Hdware Maintenance	3

15

For additional information contact:

Dr. Jack L. Oakes

Office: Matthews Hall 223B

Phone: (417)625-9683

E-Mail: oakes-j@vm.mssc.edu

Course Descriptions

Computer Science

(Comp)

Comp 105 (F, S) 3 hrs. cr.

Introduction to Microcomputer Use

The fundamental use of microcomputers through packaged software and operating systems. The student will be introduced to word processing, spreadsheets, file management, and communications tools to aid in productivity and to develop a degree of confidence in the use of microcomputers.

Comp 110 (F, S) 3 hrs. cr.

Programming I

Introduces programming in a personal computer based environment. The student will learn the fundamentals of PC hardware, operating systems, and programming. Special emphasis is placed on proper program style, including modularity and structured design. The language of implementation is C. Corequisite: Math 112, or Math 130, or Math 140, or above.

Comp 115 (Demand) 3 hrs. cr.

Programming in VISUAL BASIC

Introduces the BASIC programming language. A service course for non-majors. Problem analysis and program design emphasized. The student will learn syntax and language features through arrays and files. Corequisite: Math 112, or Math 130, or Math 140 or above.

Comp 120 (Demand) 3 hrs. cr.

FORTRAN

Introduces the FORTRAN programming language and includes applications from mathematics, statistics, and engineering. Prerequisite: Math 112, or Math 130, or Math 140 or above.

Comp 210 (F, S) 3 hrs. cr.

Programming II

Continued development of the programming and problem solving skills introduced in Comp 110. Structured programming and modular design are emphasized. Includes an in-depth coverage of pointers, strings, arrays, structures, and files. Introduction to linked lists, stacks, and queues. The language of implementation is C. Prerequisite: Comp 110.

Comp 230 (S) 3 hrs. cr.

Report Program Generation (RPG)

Introduces the programming language RPG II/III/400 which is designed for quick and efficient production of business reports. Includes language syntax and practice in preparing, compiling, and executing applications of increasing complexity. Prerequisite: (Comp 210 or above) or consent of department head.

Comp 234 (F) 3 hrs. cr.

Business Data Processing Techniques (COBOL)

Methods and techniques for solving business related problems using a business oriented language (COBOL). Applications may include payroll systems, inventory control systems, billing systems, sorting techniques, and file maintenance. Introduction to principles of software engineering. Prerequisite: Comp 210 or consent of department head.

Comp 298 (Demand) 1-3 hrs. cr.

Selected Topics in Computer Information Science

Each offering is a subject not normally included in another course. Prerequisites will be specified by the department in a syllabus.

Comp 301 (Demand) 3 hrs. cr.
Principles of Digital Computing

Hardware and software concepts which are pertinent to the design of digital computers. Topics covered include data representation techniques, computer circuits, assemblers, compilers, loaders, I/O programming, microprocessors, memory hierarchy, memory management, and operating systems. Prerequisite: Comp 210 or above.

Comp 302 (S) 3 hrs. cr.
Information Systems I (*Writing Intensive*)

Introduces and develops understanding of an organization's information requirements and examines the design of information systems that facilitate its management. The criteria used to select appropriate hardware and software are investigated. Emphasis on the student's ability to analyze computer based information systems using standard analysis and design methodologies. Prerequisite: (CIS 305 or MM 237) or consent of the department head.

Computer Science Information (CIS)

CIS 305 (F, S) 3 hrs. cr.
Microcomputer Applications I

Overview of the most common environment and software tools for the serious user of microcomputers. Hardware topics are included to allow the student to compare and select from system configurations according to their applications requirements. An introduction to the basic elements of an operating system and a graphic user interface is followed by intensive practice with the major components of an integrated software suite of applications; word processing, spreadsheets, graphics, and presentation software. A variety of data communications topics are included from the use of a local area network through connections to a world wide system. Prerequisite: (Comp 105 or equivalent microcomputer experience.)

CIS 310 (F, S) 3 hrs. cr.
Microcomputer Applications II

In-depth look at the most common environment and professional tools for the use of microcomputers. Hardware topics are included to allow the student to setup and configure a system, install peripherals, and reconcile their hardware and software combination. An operating system, graphic user interface, and local area network are examined with special emphasis on the automation of tasks and the customization of systems by programming constructs. The major components of an integrated software suite are extended to include database management applications, programming, and a broad-based use of the Internet. Prerequisite: (CIS 305) and (Comp 110 or elementary knowledge of programming).

CIS 315 (S) 3 hrs. cr.
Computer Networks I

Introduction to the design, installation, and management of enterprise local area networks. Network selection, configuration, security, backup and recovery are major topics. User rights and privileges, file and device sharing are also covered. Prerequisite: CIS 305 or MM 237 or CAMT 310 or consent of the department head.

CIS 320 (F) 3 hrs. cr.
LAN Administration I

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 315 or consent of instructor.

CIS 321 (F) 3 hrs. cr.
Interactive RPG/400

On-line programming of business applications. Major topics include file creation and maintenance, structured methodologies, advanced features of RPG III/400, and the IBM AS/400 environment. Prerequisite: Comp 230 or consent of instructor.

CIS 325 (S) 3 hrs. cr.
LAN Administration II

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 320 or consent of instructor.

CIS 330 (S, Even) 3 hrs. cr.
Assembly Language

Introduction to low-level machine architecture and assembly language programming using the IBM PC. Includes data representation, instruction set, program logic, and problem solving. In addition to the assembly, linking, and execution of programs; debugging, optimization, and interfacing to high-level languages will be practiced. Prerequisite: Comp 210.

CIS 334 (S) 3 hrs. cr.
Advanced Structured COBOL

On-line programming of business applications utilizing CICS in mainframe and microcomputer environments. File creation and maintenance (VSAM), structured methodologies, and advanced features of COBOL are major topics. Prerequisite: Comp 234 or consent of instructor.

CIS 335 (F) 3 hrs. cr.
Object Oriented Programming

Introduction to object oriented programming, a computer programming methodology in which data and operators are strongly linked into named classes whose instances are called objects. Topics covered include object management, encapsulation, polymorphism, inheritance, type extensibility, and object oriented problem analysis and design. The language of implementation is C++. Prerequisite: CIS 350.

CIS 345 (F) 3 hrs. cr.
Computer Networks II

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 315 or consent of instructor.

CIS 346 (Demand) 2 hrs. cr.
Teaching Computer Science in Secondary School

Methods for teaching computer science/data processing subjects in secondary schools. It serves as part of the professional semester.

CIS 350 (S) 3 hrs. cr.
Data Structures

Continued development of knowledge of data structures. Includes an in-depth coverage of pointers, linked lists, stacks, queues, trees, and graphs. Special emphasis on the coverage of algorithms that are designed to efficiently manipulate these structures and techniques for selecting the most appropriate data structures for a given application. The language of implementation is C. Prerequisite: Comp 210.

CIS 355 (F) 3 hrs. cr.
Unix System Administration

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: Comp 110.

CIS 360 (S, Odd) 3 hrs. cr.
Computer Graphics

Interactive computer graphics programming including windowing, clipping, two and three dimensional transformations, perspective projections, curved surface modeling, light, and color. The functional capabilities of computer graphics systems and their applications will be covered. Prerequisite: Math 150 and Comp 210.

CIS 365 (S) 3 hrs. cr.
Network Hardware Maintenance

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 345 or consent of instructor.

CIS 400 (Demand) 1 hr. cr.
Computer Colloquium

Students have the opportunity to make and attend individual presentations on computer topics of current and special interest. These topics are researched and organized by the student presenters and should make use of the best available software and media tools. Supplemental topics are presented by faculty and invited area computer professionals. May be repeated once for credit. Meets 2 hours per week for 1 hour credit. Prerequisite: Upper division standing.

CIS 401 (F, S) 3-8 hrs. cr.

Internship in Computer Information Science

A limited number of computer information science students may serve an internship of 15 to 20 hours per week for up to 16 weeks. Credit hours will be arranged through the coordinator of the internship program. The intern will work for a local, cooperating firm in a production data processing environment gaining valuable experience in programming and/or systems analysis and design to supplement course work. The on-site work will be supervised by a professional employee of the firm and overseen by an MSSC faculty member. Prerequisite: Upper division standing, department approval, and an overall GPA of 3.00.

CIS 410 (F) 3 hrs. cr.

Information Systems II

Continued development of the ability to analyze and design computer-based information systems. Includes in-depth coverage of analysis and design methodologies, computer-aided software engineering tools, and project management techniques. Teamwork is emphasized. Prerequisite: Comp 302.

CIS 425 (S) 3 hrs. cr.

Database Management Systems

(Writing Intensive)

Survey of database management theories and experience in the application of database technology. An emphasis will be placed on the relational model. Functions of database management systems, data modeling, and database design are stressed. Prerequisite: Comp 234.

CIS 430 (F, Odd) 3 hrs. cr.

Introduction to Artificial Intelligence

Introduces the process of developing intelligent computer software. AI topics which are covered include knowledge abstraction and representation, heuristic search techniques, expert systems, language processing, machine learning, and meta-programming. Prerequisites: CIS 350 and Math 300.

CIS 450 (F) 3 hrs. cr.

Operating Systems

(Writing Intensive)

Fundamental concepts of operating system design. Emphasis on identifying problems an operating system must solve and considering the range of alternative solutions which may be implemented. Topics include process management, memory management, processor management, auxiliary storage management, and security. The UNIX operating system is highlighted. Prerequisite: CIS 350.

CIS 460 (Demand) 3 hrs. cr.

Programming Languages

Mechanisms and formality behind language structure, particularly as applied to some of the more modern and esoteric computer programming languages. A formal approach to syntactic analysis, grammars, and parsing techniques will lead into an introduction to automata and their relation to language and problem solving. Several diverse programming languages will be examined with example programs to be written in each. Prerequisite: Two programming language courses.

CIS 498 (Demand) 1-3 hrs. cr.

Seminar in Computer Information Science

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. Other prerequisites may be specified in each course syllabus.

CIS 499 (Demand) 1-3 hrs. cr.

Independent Study

An independent study course is structured by the adviser with approval of the department head. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. Registration in the course must be approved by the adviser, the department head, and the dean of the school.

Criminal Justice Administration

Justice Center 109, 625-9302

Faculty Terry - Director, Owen, Richards, Scott, Spencer, Spurlin, Williams, Wolf.

The Criminal Justice Administration department offers two degrees, the bachelor of science in criminal justice administration and the associate of science in law enforcement.

The Criminal Justice programs and activities are a vital part of the law enforcement effort in Missouri and adjacent states. The Regional Criminalistic Laboratory is housed in the Justice Center building and actual evidence is evaluated by criminalists who process the evidence and testify in court as expert witnesses. Also housed in the Justice Center is a complete photographic laboratory.

Missouri law requires new police officers to obtain "basic training" from a certified "law enforcement academy." Missouri Southern operates the regional academy for the State of Missouri. Many students choose to take their Basic Law Enforcement Academy Training at the Justice Center while attending college, to make them even more employable upon graduation.

Visitors to the modern Mills Anderson Justice Center building are generally impressed by the constant and diverse activities taking place in classrooms, laboratories, and hallways. College students mingle in classes and on breaks with working law enforcement

officers, paramedics, emergency medical technicians, fire fighters, and others from the community.

Another unique feature of the building is the modern indoor firearms range located in the basement. Police officers, students and others are introduced to a "live fire" range and state-of-the-art computer laser system for weapons training. Firearms training is conducted under the guidance of qualified range masters. While there are other criminal justice programs in the nation, this one is perhaps unique in the combination of the many "real world" activities going on with which the College serves the community in a practical sense. This works to the benefit of the pre-service college student who is able to take advantage of the modern facilities and expertise of the highly qualified faculty. Missouri Southern's graduates generally return for special seminars and training to keep them updated on recent changes in technology and legal subjects. The Justice Center is a busy place where interested and motivated students work and learn with a competent and dedicated staff.

A bachelor's degree in criminal justice administration prepares the student for many different graduate programs such as law school. It also prepares the student for careers in law enforcement, juvenile justice, corrections, probation and parole, private or industrial security, federal investigative agencies and related positions. Many of these positions have requirements relating to physical condition and integrity of personal background with which the student should become familiar.

The College also offers the associate of science in law enforcement see page 181.

Bachelor of Science in Criminal Justice Administration

		Semester Hours
Core Requirements (p. 43)		51
Criminal Justice Requirements		24
LE 100	Introduction to Criminal Justice	3
LE 210	Criminal Procedures	3
LE 250	Criminal Law	3
LE 280	Interview and Report Writing (WI)	3
CJAd 432	Ethics In Criminal Justice	3

Select one from the following:

CJAd 230	Introduction to Security	3
CJAd 325	Physical Security	3
CJAd 330	Loss Prevention Techniques	3

Select one from the following:

CJAd 320	Probation and Parole	3
CJAd 412	Correctional Practices (WI)	3

Select one from the following:

CJAd 410	Juvenile Procedures	3
CJAd 411	Juvenile Corrections (WI)	3

The student must also select a minimum of 26 credit hours from the following list of major course electives: (Students may not count classes that were selected in the above area.)

LE 110	Police Organization and Administration	2
LE 180	Basic Law Enforcement Academy*#	12
LE 181	Basic Law Enforcement Academy II*#	12
LE 190	First Responder	2
LE 200	Criminal Investigation I	3
LE 225	Patrol Procedures	3
LE 245	Law Enforcement Photography	3
LE 260	Legal & Technical Aspects of Firearms	3
LE 290	Police Supervision and Management	3
LE 298	Special Topics*	1-8
CJAd 210	Basic Photography	3
CJAd 230	Introduction to Security	3
CJAd 300	Criminal Investigation II (WI)	3
CJAd 301	International Justice Systems	3
CJAd 310	Traffic Accident Invest and Control	3
CJAd 320	Probation and Parole*	3
CJAd 325	Physical Security	3
CJAd 330	Loss Prevention Techniques	3
CJAd 331	Administration of Security Systems*	3
CJAd 350	Fish and Game Enforcement	3
CJAd 360	Professional Development	2
CJAd 390	Crime Analysis*	3
CJAd 400	Homicide Investigation*	3
CJAd 410	Juvenile Procedures*	3
CJAd 411	Juvenile Corrections* (WI)	3

CJAd 412	Correctional Practices	3
CJAd 430	Family Violence	3
CJAd 440	Victims and the Criminal Justice System	3
CJAd 450	Criminal Evidence*	3
CJAd 490	Internship in Criminal Justice Administration*	4-8
CJAd 498	Seminar in Criminal Justice Administration*	1-3
CJAd 499	Independent Study*	1-3

*See course descriptions for prerequisites.
#Only 12 hours of the Basic Law Enforcement Academy will be applied to the 26 hour elective requirement.

General electives selected with adviser approval among which must be sufficient upper division courses (courses numbered at the 300 or 400 level) to complete the College's requirement for a minimum 40 upper-division hours. A minor is highly recommended.

Electives	30
Total	128

Minor in Criminal Justice Administration

The minor consists of 21 hours of course work which includes: LE 100 Introduction to Criminal Justice, LE 210 Criminal Procedures, LE 250 Criminal Law and 12 additional hours of LE or CJAd courses, nine of which must be upper division.

Suggested Order of Study

Bachelor of Science Degree

Major Code 2105

Criminal Justice Administration Major

Freshman Year

1st Semester		Hours
Course		
LE 100	Intro. to Criminal Justice	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Eng 101 Comp I]	3
	Computer Literacy Requirement	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		16

2nd Semester		
LE 280	Interview and Report Writing	3
CORE	[Eng 102 Comp]	3
CJAd	Required course	3
Math 110	Intro College Math or higher	3
CORE	[Bio 101 General Biology]	4
		16

Sophomore Year

1st Semester		
LE 210	Criminal Procedures	3
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CJAd	Elective	3
CJAd	Required Course	3
		17

2nd Semester		
LE 250	Criminal Law	3
CJAd	Required Course	3
Psy 100	[General Psychology]	3
CORE	[Econ 180 Amer Econ Sys]	3
Elective	[A minor is suggested]	3
CORE	[Literature]	3
		18

Junior Year

1st Semester		
CJAd	Elective	3
CORE	Elective [International Stu]	3
Elective	[A minor is suggested]	3
CORE	[PSc 120 Gov't: U.S/Sta/Loc]	3
CORE	[Elective-Fine Art]	3
		15

2nd Semester		
CJAd	Elective	3
CORE	[Fine Art]	3
Elective	[A minor is suggested]	3
CORE	[Hist 120 U.S. History]	3
Elective	[A minor is suggested]	3
		15

Senior Year

1st Semester		
CJAd	Elective	3
CJAd	Elective	4
CJAd	Elective	3
Elective	[A minor is suggested]	3
Elective	[A minor is suggested]	3
		16

2nd Semester		
CJAd 432	Ethics in Criminal Justice	3
CJAd	Elective	3
CJAd	Elective	3
Elective	[A minor is suggested]	3
Elective	[A minor is suggested]	3
		15

[Department Recommendations]
All electives must be approved by a CJAd adviser prior to enrollment.

For additional information contact:
Criminal Justice Department
Mr. Robert Terry
Office: Justice Center 103
Phone: 625-9302

Corrections

Justice Center 109, 625-9302

Faculty Terry - Head, Williams, Gubera

A minor in Corrections is designed to prepare students who are seeking a career in the field of adult or juvenile corrections. Corrections offers students a variety of employment possibilities in local, state, and federal agencies. These employment opportunities include juvenile or adult probation and parole officer, pretrial or post-trial investigator, detention officer, corrections specialist, or corrections caseworker. Students majoring in criminal justice, psychology, or sociology who have a desire to work in the field of corrections will find this minor beneficial.

A minor in Corrections consists of 24 credit hours. Students must have a faculty adviser for a minor in Corrections.

Minor in Corrections

	Semester Hours
LE 210 Criminal Procedures	3
CJAd 320 Probation and Parole	3
CJAd 411 Juvenile Corrections	3
CJAd 412 Correctional Practices	3
Soc 351 Criminology	3
Soc 362 Deviant Behavior	3
Soc 391 Penology and Corrections	3
Psy 221 Psychology of Personal Adjustment	3
	24

For additional information contact:
Mr. Robert Terry
Office: Justice Center 103
Phone: 625-9302

Juvenile Justice

Justice Center 109, 625-9302

Faculty Terry - Head, Scott, Spencer, Gubera

A minor in Juvenile Justice is designed to prepare students who are seeking a career in the Juvenile Justice System. Adjudication

and aftercare of the juvenile offender as well as child protection are the primary emphases of a minor in Juvenile Justice.

Students majoring in criminal justice, psychology, or sociology who have a desire to work in the Juvenile Justice system will find this minor beneficial. Juvenile officer, child abuse investigator, group home counselor, and court-appointed guardian ad litem are just a few of the employment options available to a graduate with a Juvenile Justice minor.

A minor in Juvenile Justice consists of 24 credit hours. Students must have a faculty adviser for a minor in Juvenile Justice.

Minor in Juvenile Justice

	Semester Hours
LE 250 Criminal Law	3
CJAd 410 Juvenile Procedures	3
CJAd 411 Juvenile Corrections	3
CJAd 320 Probation and Parole	3
Soc 312 Juvenile Delinquency	3
Soc 406 Child Abuse	3
Psy 300 Child Development	3
Psy 301 Adolescent Psychology	3
	24

For additional information contact:
Mr. Robert Terry
Office: Justice Center 103
Phone: 625-9302

Course Descriptions

CJAd 210 (F, S) 3 hrs. cr.
Basic Photography
Lecture and laboratory procedures for use of cameras, lenses, developing negatives and prints. No credit if LE 245 has been completed. Lab fee and additional lab time arranged.

CJAd 230 (S) 3 hrs. cr.
Introduction to Security
Overview of the security industry and its role in loss prevention. Public versus private security roles for retail business, industrial and governmental protection. Basic principles such as target hardening and current problems.

CJAd 298 (Demand) 1-8 hrs. cr.
Special Topics in Criminal Justice Administration

Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration. Precise topics are announced with prerequisites stipulated in the course syllabus.

CJAd 300 (S) 3 hrs. cr.
Criminal Investigation II
(Writing Intensive)
Major case investigative methods, sources of information, development of leads, methods applicable to organized crime and specific offenses. Prerequisite: Eng. 102 or 111

CJAd 301 (F) 3 hrs. cr.
International Justice Systems
A study of justice systems around the world, comparing them to America's justice system. Course considers the three important components of a justice system; police, courts, and corrections. Includes cultural differences of the countries studied as they relate to their justice system.

CJAd 310 (F) 3 hrs. cr.
Traffic Accident Investigation and Control
Theory and techniques for investigation and reducing occurrence of motor vehicle accidents, collection and evaluation of physical evidence reporting.

CJAd 320 (S) 3 hrs. cr.
Probation and Parole
Study of pre-sentence investigation methods, predicting parole behavior, supervisory practices, legal aspects, the use of amnesty and pardons. Prerequisites: LE 100, Soc 110 or instructor's permission.

CJAd 325 (S) 3 hrs. cr.
Physical Security
Physical aspects of the security industry and its role in loss prevention for retail business, industrial and governmental protection. Consideration of barriers and perimeter protection, alarm systems, computer and hazardous materials protection and survey techniques.

CJAd 330 (F) 3 hrs. cr.
Loss Prevention Techniques
Security techniques in loss prevention for retail business, industry, governmental protection, hotel and motel, hospital, school, transit systems and utilities.

CJAd 331 (Demand) 3 hrs. cr.
Administration of Security Systems
The security administrator's role in business, industrial and governmental protection. Organizing, training, managing and designing security programs. Prerequisites: CJAd 230, CJAd 325 or CJAd 330 or instructor's permission.

CJAd 350 (S) 3 hrs. cr.
Fish and Game Enforcement
 Problems and procedures encountered and used by conservation enforcement officers. Laws and enforcement procedures.

CJAd 360 (Demand) 2 hrs. cr.
Professional Development
 Development of employability and career skills will be emphasized focusing on tools necessary for employment, communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

CJAd 390 (F) 3 hrs. cr.
Crime Analysis
 A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences and the initiation of target profile analysis. Prerequisites: Upperclass standing, LE 100 and LE 250 or permission.

CJAd 400 (Demand) 3 hrs. cr.
Homicide Investigation
 Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal or criminal cause. Prerequisite: LE 200 or permission.

CJAd 410 (F) 3 hrs. cr.
Juvenile Procedures
 Juvenile and family court procedures and substantive law as applied to the youthful offender. Procedures for juvenile officers such as collection of evidence, taking into custody and development of the case. Prerequisite: LE 210 or permission.

CJAd 411 (S) 3 hrs. cr.
Juvenile Corrections (Writing Intensive)
 Overview of the design and legal requirements of juvenile correctional institutions including an analysis of the juvenile interstate compact laws and management principles of juvenile correctional institutions. Prerequisite: Soc 110 and Eng.102 or 111.

CJAd 412 (F) 3 hrs. cr.
Correctional Practices (Writing Intensive)
 History of corrections as it relates to correctional practices. In-depth study of the rights of the incarcerated inmate as well as the powers and duties of the correctional officer. Prerequisites: LE 100 and Eng. 102 or 111 or permission.

CJAd 430 (S) 3 hrs. cr.
Family Violence
 Introduces the dynamics of family violence from the prospective of law enforcement. Examines the relationships between victims, offenders and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system. Special attention on the complicated justice system which is increasingly intervening in these family systems.

CJAd 432 (S) 3 hrs. cr.
Ethics in Criminal Justice
 A comprehensive investigation of ethical problems confronting criminal justice professionals. Focus is placed on the philosophical and practical dilemmas surrounding the modern criminal justice system, in the United States and foreign countries, to include the police, courts, and correctional subsystems. The course will examine various value systems and historical theories as well as promote discussions of moral and ethical behavior from personal, social, and criminal justice perspectives. Prerequisites: Upperclass standing, LE 100 and LE 210 or permission.

CJAd 440 (F) 3 hrs. cr.
Victims and the Criminal Justice System
 Introduces the study of victimization. Examines the relationship between victims and the criminal justice system.

CJAd 450 (S) 3 hrs. cr.
Criminal Evidence
 Rules of evidence, admissibility, presumptions, inferences, burden of proof and exceptions to the hearsay rule. Prerequisite: LE 210, LE 250 or permission.

CJAd 490 (Arr) 4-8 hrs. cr.
Internship in Criminal Justice
 Extensive practical experience with an area criminal justice agency, subject to individual committee approval. Not open to those who have taken LE 180. Prerequisite: Junior or senior standing, CJAd major, department approval, overall GPA 2.5 and a CJAd GPA 3.2.

CJAd 498 (Demand) 1-3 hrs. cr.
Seminar in Criminal Justice
 A survey of current advances in the field. Precise topics to be announced, for upper division majors in CJAd or those who have completed the A.S. degree in law enforcement. Prerequisite: permission of instructor.

CJAd 499 (Arr) 1-3 hrs. cr.
Independent Study in Criminal Justice
 Individually directed study for advanced majors in area of criminal justice selected with adviser approval. Proposal must be approved by program director and school dean. Prerequisite: 3.5 GPA in major area or permission.

the dental health team, other than the dentist, licensed to provide direct care to the patient. The diverse duties of the dental hygienist are rewarding and include oral prophylaxis (cleaning); exposing, processing and mounting radiographs; collecting and evaluating medical history information; performing head and neck examinations; periodontal assessment and therapy; applying agents for the prevention of decay; applying desensitizing and antimicrobial agents and administering local anesthesia and nitrous oxide analgesia. The dental hygienist also acts as a dental health educator and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental schools; industrial clinics; the armed services; and research institutions.

Missouri Southern offers an associate of science degree in dental hygiene. Upon satisfactory completion, graduates are eligible to take the National Board Examination and practical examinations required for licensure in Missouri and other states. This program is accredited by the American Dental Association.

Admission to Missouri Southern does not automatically grant admission to the dental hygiene program. In addition to meeting admission requirements for the College, candidates must apply for admission to the department of dental hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by February 1. Applicants must have an overall GPA of 2.75 to apply, or a GPA of 2.50 with an ACT composite score of 25 or better.

Evidence of satisfactory completion of the following prerequisites with a "C" or better must be presented:

- Bio 121 General Zoology
- Eng 101 English Composition
- Math 030 Intermediate Algebra (or higher)
- Chem 100 Introductory Chemistry
- Bio 231 General & Medical Microbiology
- Bio 306 Human Physiology & Anatomy
- Comm 100 Oral Communications
- Kine 103 Lifetime Wellness

Dental Hygiene

Ummel Technology Building 101, 625-9379

Faculty Scorse DeTar - Director, Karst, Strait, White

The dental hygienist is a dynamic health care professional who is the only member of

180 / Dental Hygiene

Enrollment is limited and all applicants are admitted contingent upon the completion of physical and dental examinations and the rendering of an acceptable health status. Students are admitted to the dental hygiene program only in the fall of each year.

Interested individuals are encouraged to contact the Director of Dental Hygiene for more specific information regarding admissions criteria.

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students: \$1000 for uniforms, safety glasses, books, graduation pins, ADHA student membership dues, liability insurance, and various expenses for transportation to off campus clinical sites and professional meetings; approximately \$600 for licensure exams which will vary depending on state(s) in which license is desired; approximately \$1400 for student instrument kit and supplies.

The associate of science in dental hygiene requires a minimum of 89 credit hours, including the prerequisite courses. All courses in the suggested order of study must be completed in the prescribed sequence. Course grades of "C" or above in dental hygiene and supporting science courses are necessary for retention in the dental hygiene program. (The successful dental hygiene applicants tend to be the ones who have completed the majority or all of the science and Core Curriculum courses with the exception of the dental hygiene courses.)

Associate of Science Degree in Dental Hygiene

	Semester	Hours
Core Requirements (p. 43)		25
Dental Hygiene Requirements		64
DH 101	Fundamentals of Dental Hygiene I	4
DH 102	Fundamentals of Dental Hygiene II*	4
DH 140	Dental Morphology	1
DH 150	Oral Histology and Embryology	3
DH 160	Dental Radiology	2
DH 190	Clinical Dental Hygiene I*	2
DH 200	Dental Health Education	3
DH 210	Perio-Pathology	4
DH 220	Dental Materials	3
DH 290	Clinical Dental Hygiene II*5	

DH 310	Nutrition	2
DH 320	Pharmacology	2
DH 330	Ethics and Community Dentistry*	3
DH 390	Clinical Dental Hygiene III*	5
Bio 231	Medical Microbiology*	5
Bio 240	Radiation Biology*	3
Bio 306	Human Physiology and Anatomy*	5
Chem 100	Introductory Chemistry*	5
Soc 110	Intro to Sociology	3
Psy 100	General Psychology (CORE)	

89

*See course descriptions for prerequisites

Suggested Order of Study

Associate of Science - over three years Major Code 5203 Dental Hygiene Major

Fall Semester	Prerequisites	Hours
Bio 121	General Zoology	4
CORE	[Eng 101 Comp I]	3
Math 030	Inter Algebra (or higher)	3
Chem 100	Intro Chemistry (w/lab)	5
		15

Spring Semester	Prerequisites	Hours
Bio 231	Gen & Med Microbio (w/lab)	5
Bio 306	Human Phys & Anatomy	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
		15

Fall Semester	1st Year Dental Hygiene	Hours
DH 101	Fund of Dental Hygiene I	4
DH 140	Dental Morphology	1
DH 150	Oral Histology & Embr	3
Psy 100	General Psychology	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 or MO Const Test]*	3
		12-15

Spring Semester	1st Year Dental Hygiene	Hours
DH 102	Fund of Dental Hygiene II	4
DH 160	Dental Radiology	2
DH 220	Dental Materials	3
DH 310	Nutrition	2
Bio 240	Radiation Biology	3
		14

Summer Session	1st Year Dental Hygiene	Hours
DH 190	Clinical Dental Hygiene I	2
DH 210	Perio-Pathology	4
		6

Fall Semester	2nd Year Dental Hygiene	Hours
DH 200	Dental Health Education	3
DH 290	Clinical Dental Hygiene II	5
DH 320	Pharmacology	2
CORE	[Hist 110 or 120 or PSc 120]	3
		13

Spring Semester	2nd Year Dental Hygiene	Hours
DH 330	Ethics & Comm Dentistry	3
DH 390	Clinical Dental Hygiene III	5
CORE	[Humanities or Fine Arts]	3
Soc 110	Intro to Sociology	3
		14

*12 hours if Missouri Constitution Test is passed.
[Department Recommendation]

For additional information contact:
Sandra A. Scorse DeTar, D.D.S.
Office: Technology Building 111-E
Phone: 625-9379 / 625-9600 / 625-9711

Course Descriptions

DH 101 (F) 4 hrs. cr.
Fundamentals of Dental Hygiene I
Introduction to fundamental theories, principles and procedures necessary to provide dental hygiene services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week.

DH 102 (S) 4 hrs. cr.
Fundamentals of Dental Hygiene II
Continuation of DH 101 with further enrichment of skills necessary to perform preventive oral health services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week. Prerequisites: DH 101 with minimum grade of "C" or instructor's permission.

DH 140 (F) 1 hr. cr.
Dental Morphology
Detailed study of morphology of deciduous and permanent teeth in relation to fossal cusps, grooves, ridges, roots and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hr. lecture per week.

DH 150 (F) 3 hrs. cr.
Oral Histology and Embryology
Study of the gross and microscopic development of the teeth, supportive structures of the teeth and embryology and anatomy of head and neck region. Two hrs. lecture, 3 hrs. lab per week.

DH 160 (S) 2 hrs. cr.
Dental Radiology
Theory and technique of exposing, developing, mounting and care of dental radiographs. Interpretation of radiograph findings is discussed, principles of radiation safety are emphasized. One hr. lecture, 4 hrs. lab per week.

DH 190 (Summer) 2 hrs. cr.

Clinical Dental Hygiene I

Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications, and charting the oral cavity. 16 hours lab per week, 1 hour of lab will be used per week in clinical DH I for content and organizational review of course. Prerequisite: DH 102 with minimum grade of "C" and CPR Certification course C.

DH 200 (F) 3 hrs. cr.

Dental Health Education

Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups and experience in providing dental health education to mentally and physically handicapped and geriatric patients. Three hrs. lecture per week.

DH 210 (Summer) 4 hrs. cr.

Perio-Pathology

Lecture periods are devoted to the study of oral pathological conditions, including etiology, degenerative process, inflammation and immunity. Etiology, assessment, treatment and prevention of periodontal disease is stressed. Four hrs. lecture per week.

DH 220 (S) 3 hrs. cr.

Dental Materials

Information about various dental materials. Students learn to make alginate impressions, plaster models and manipulate other materials. Required course for dental hygiene curriculum. Prerequisite: DH 101 Fundamentals of Dental Hygiene I with a "C" or above or instructor's permission. Two hrs. lecture, 2 hrs. lab per week.

DH 290 (F) 5 hrs. cr.

Clinical Dental Hygiene II/Local Anesthesia

Continuation of DH 190 with added responsibilities as skills develop. Lecture information on advanced dental hygiene techniques and techniques for local anesthesia and pain control. Practical experience in infiltration anesthesia during the laboratory session. Multicultural experience is gained through rotations in extended campus facilities. One hr. lecture, 16 hrs. clinical lab per week. Prerequisites: DH 190 with minimum grade of "C" or instructor's permission.

DH 310 (S) 2 hrs. cr.

Nutrition

Nutrition and diet as related to dental health, biochemistry of digestion and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hrs. lecture per week.

DH 320 (F) 2 hrs. cr.

Pharmacology

Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action and drug interactions. Emphasis on drugs affecting oral health and drugs used in dentistry. Two hrs. lecture per week.

DH 330 (S) 3 hrs. cr.

Ethics and Community Dentistry

Professional ethics and commitment, professional organizations, state practice acts and practical consideration of methods and problems associated with operating and maintaining a dental practice. Definition and identification of the scope of public and dental public health. Consideration of philosophy; health legislation; federal, state and local health programs; needs and demands for dental care; and mechanisms for financing dental care. Three hrs. lecture per week. Prerequisites: DH 200 with minimum grade of "C."

DH 390 (S) 5 hrs. cr.

Clinical Dental Hygiene III

Continuation of DH 290. Clinical experience in advanced clinical procedures and dental assisting procedures, including experience in extended campus facilities. Principles of four-handed dentistry in the lecture portion and discussion of the eight recognized dental specialties including their relationship to preventive dentistry. One hr. lecture, 16 hrs. lab week. Prerequisite: DH 290 with minimum grade of "C" or instructor's permission.

Law Enforcement

Justice Center 109, 625-9302

Faculty Terry - Head, Owen, Richards, Scott, Spencer, Spurlin, Williams, Wolf

The associate of science degree in law enforcement helps prepare students for entrance into police work, a field which has become highly specialized and complex at the local, state, and national levels. Modern law enforcement responsibilities make academic preparation beyond the high school level essential.

The College also offers the four-year bachelor of science degree in criminal justice administration. See page 176.

Associate of Science in Law Enforcement

Option A

Major Code 5505

	Semester Hours
Core Requirements (p. 43)	26
Law Enforcement Requirements	39
Computer Literacy Requirement	3
LE 100 Introduction to Criminal Justice Administration	3
LE 110 Police Organization and Administration	2
LE 190 First Responder	2
LE 200 Criminal Investigation	3
LE 210 Criminal Procedures	3
LE 245 Law Enforcement Photography	3
LE 250 Criminal Law	3
LE 260 Legal and Technical Aspects of Firearms	3
LE 280 Interview and Report Writing (WI)	3
LE 290 Police Supervision and Management	3
Elective Adviser approved Electives	8
	65

Option B

(For Basic Law Enforcement Academy)

Major Code 5506

	Semester Hours
Core Requirements (p. 43)	26
Law Enforcement Requirements	39
Computer Literacy Requirement	3
LE 100 Introduction to Criminal Justice	3
LE 180 Basic Law Enforcement Academy	12
LE 181 Basic Law Enforcement Academy II	12
LE 245 Law Enforcement Photography	3
LE 280 Interview and Report Writing (WI)	3
LE 290 Police Supervision and Management	3
	65

Suggested Order of Study

Associate of Science Degree

Major Code 5505

Law Enforcement Major

Freshman Year

1st Semester		Hours
Course		
CORE	[Eng 101 Comp I]	3
CORE	[Intro to College Math]	3
Comp 105	Intro to Micro Comp Use	3
LE 100	Intro to Criminal Justice	3
LE 110	Police Org & Adm	2
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		16

2nd Semester

Elective		2
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Soc 110 Intro to Sociology]	3
LE 280	Interview & Rpt Wrting (WI)	3
LE 210	Criminal Procedures	3
		16

Sophomore Year

1st Semester		
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[PSc 120 Gov t: U.S./Sta/Loc]	3
LE 200	Criminal Investigation	3
LE 260	Legal & Tech Asp of Fire Arms	3
Elective	Fine Arts Elective	3
		17

2nd Semester

LE 245	Law Enforcement Photo	3
LE 190	First Responder	2
LE 250	Criminal Law	3
LE 290	Police Supvis & Mgmt	3
Electives Adviser Approved		5
		16

[Department Recommendations]

For additional information contact:
Criminal Justice Department
Mr. Robert Terry
Office: Justice Center 103
Phone: 625-9302

Suggested Order of Study

Associate of Science Degree

Major Code 5506

Law Enforcement Major (Law Enforcement Academy)

Freshman Year

1st Semester		Hours
Course		
CORE	[Eng 101 Comp]	3
CORE	[Intro to College Math]	3
Comp 105	Intro to Micro Comp Use	3
LE 100	Intro to Criminal Justice	3
CORE	[Psy 120 College Orientation]	1
CORE	[Kine 101 Physical Activity]	1
		14

2nd Semester

CORE	[Bio 101 General Biology]	4
CORE	[Soc 110 Intro to Sociology]	3
LE 280	Interview & Report Writing	3
CORE	Humanities and Fine Arts	3
		13

Sophomore Year

1st Semester		
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Psc 120 Govt:U.S./St/Loc]	3
LE 290	Police Supervision & Mgmt	3
LE 245	Law Enforcement Photo	3
		14

2nd Semester

LE 180	Basic Law Enfrmnt Acad I	12
LE 181	Basic Law Enfrmnt Acad II	12
		24

[Department Recommendations]

For additional information contact:
Criminal Justice Department
Mr. Robert Terry
Office: Justice Center 103
Phone: 625-9302

Course Descriptions

LE 100 (F, S) 3 hrs. cr.
Introduction to Criminal Justice Administration
Municipal, county, state and federal police organizations. History and administration of justice. Responsibilities and opportunities in the field of criminal justice.

LE 110 (F) 2 hrs. cr.
Police Organization and Administration
Management operations, communications, budgeting, recruiting, training and public relations as they pertain to local and state law enforcement agencies.

LE 180 (F, S) 12 hrs. cr.
Basic Law Enforcement Academy
The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Police Officers Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under the Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director. (Additional lab fee for course.)

LE 181 (F, S) 12 hrs. cr.
Basic Law Enforcement Academy II
The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Police Officers Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under the Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director and LE 180 (Additional lab fee for course.)

LE 190 (F, S) 2 hrs. cr.
First Responder
Provides basic emergency care knowledge and skills to the student. Designed to prepare students to recognize traumatic injuries, and deliver quality emergency medical care to victims.

LE 200 (F) 3 hrs. cr.
Criminal Investigation I
Fundamentals of criminal investigation techniques including crime scene procedures, burglary and death investigation. Includes collection, preservation, identification of evidence and overview of crime lab procedures.

LE 210 (F, S) 3 hrs. cr.
Criminal Procedures
Criminal law procedures from arrest through trial, search and seizure, review of pertinent supreme court decisions and related topics. The order of criminal trial.

LE 225 (S) 3 hrs. cr.
Patrol Procedures
Covers numerous areas confronting today's law enforcement officer during tours of duty and the proper techniques and procedures used in handling each area.

LE 245 (F, S) 3 hrs. cr.
Law Enforcement Photography
 Designed to instruct the law enforcement student in the fundamentals of photography, as it relates to documentation and investigation of crime scene evidence. No credit if CJAd 210 has been completed. Lab fee and additional lab time arranged.

LE 250 (S) 3 hrs. cr.
Criminal Law
 Criminal law purposes and functions; rights and duties of officers and citizens in relation to local, state and federal laws. The development, application and enforcement of laws.

LE 260 (F, S) 3 hrs. cr.
Legal and Technical Aspects of Firearms
 History and development of firearms. The nomenclature of the most commonly used police firearms and the duties and requirements of a rangemaster. The laws concerning firearms acquisitions, ownership and use. Three hrs. lecture per week. Lab fee and additional lab time arranged.

LE 280 (F, S) 3 hrs. cr.
Interview and Report Writing
(Writing Intensive)
 Introduces various methods and styles of report writing and professional communication in the criminal justice field together with the use of the basic report forms and follow-up reports. It also examines techniques of interviewing, of interviewing and writing the report. Prerequisites: Eng 101 and Eng 102

LE 290 (S) 3 hrs. cr.
Police Supervision and Management
 Principles of personnel management as applied to law enforcement agencies: evaluation, promotion, discipline, training, employee welfare and problem-solving leadership.

LE 298 (Demand) 1-8 hrs. cr.
Special Topics in Law Enforcement
 Course content varies and is designed to meet current needs and interests in the rapidly changing field of law enforcement. Precise topics to be announced and prerequisites stipulated in course syllabus.

Medical Technology

Reynolds Hall 210, 625-9376

Faculty Baiamonte, Mosher

The bachelor of science degree in medical technology is granted to students who complete the required program of study satisfactorily. These requirements include the basic requirements for all bachelor of science de-

gree programs, required science and other supportive courses plus 32 hours of professional course credits. The completion of this degree is required before an individual is eligible to take the certifying examination.

Missouri Southern has affiliation agreements with the Schools of Medical Technology at St. John's Regional Medical Center, Joplin, Mo.; and Lester E. Cox Medical Center, Springfield, Mo. If a student wishes to attend an accredited school of medical technology with which the College has no formal agreement, the Vice President for Academic Affairs can negotiate an agreement for the individual student. Students should be aware that enrollment in professional schools is limited. Each of the professional schools has its own admission criteria and selects those students to be admitted to a class from the applicants for that class. In general, this selection is based on the academic record or demonstrated aptitude for the medical field. Students are responsible for filing their own application for admission with the professional schools. Application should be made to the professional school during the early fall of the junior year or approximately 10 months prior to the expected entrance date.

Students who are unsuccessful in gaining admission to a professional school can normally select and complete another science major with the advice of the appropriate department head.

A student may enroll in the professional courses either at the hospital-based school or through Missouri Southern, depending on the policies of the hospital-based school. Students enrolled at the hospital-based school are not considered members of the Missouri Southern student body, since the hospital-based school in such cases is considered as any other accredited institution of higher education. A student enrolling through Missouri Southern is considered a member of the College student body and is, therefore, eligible for benefits offered all students. The weekly time requirements for the professional medical technology courses (400 level) listed are based on the minimum requirements for a course meeting for a normal academic term for a minimum of 16 weeks. Actual scheduling of classes may vary according to custom of the individual professional school to meet these minimum total hour requirements.

Bachelor of Science With a Major in Medical Technology

	Semester Hours
Core Requirements (p. 43) 51**	39
Biology Requirements	26
Bio 121 General Zoology	4
Bio 231 General & Medical Microbiology*	5
Bio 305 Genetics*	4
Bio 306 Human Physiology and Anatomy*	5
Bio 456 Immunology*	4
Either	
Bio 361 Parasitology*	4
OR	
Bio 362 Virology*	4
Chemistry Requirement	24-25
Chem 101 General Chemistry I*	5
Chem 102 General Chemistry II*	5
Chem 201 Analytical Chemistry I*	5
Chem 300 Introduction to Modern Organic Chemistry*	5
Chem 351 Biochemistry*** (4)	
OR	
Chem 421 Analytical Chemistry II* (5)	4-5
Other Requirements	17
Phys 151 Elementary College Physics I*	5
Phys 152 Elementary College Physics II*	4
Math 140 Algebra & Trigonometry	5
Comp 110 Programming I (Pascal) (3)	
OR	
Higher level computer course	3
400 Level Medical Technology Courses (at Hospital)	32
	138-139

*See course descriptions for prerequisites.

**Required biology, physics and mathematics courses simultaneously satisfy Core Curriculum and major requirements.

Suggested Order of Study

Bachelor of Science Degree
 Major Code 1223
Medical Technology Major

Freshman Year

1st Semester Course	Hours
Chem 101 Gen Chem I (Algebra & Trig)	5
Math 140 Algebra and Trig	5
CORE [Eng 101 Comp I]	3
Comp 110 Programming I	3
CORE [Psy 120 College Orient]	1
	17

184 / Medical Technology, Nursing

2nd Semester		
Chem 102	Gen Chem II (Chem 101)	5
Bio 121	General Zoology	4
CORE	[History 110 U.S. History]	3
CORE	[Eng 102 Comp II]	3
CORE	[Econ 180 Amer Econ Sys]	3
		18

Sophomore Year

1st Semester		
Chem 201	Analy Chem I (Chem 102)	5
Bio 231	Gen & Med Microbiology	5
CORE	[Psy 100 or Soc 110]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
Elective	[MT 200 Intro to Med Tech]	1
		18

2nd Semester		
Chem 300	Mod Org Chem (Chem 102)	5
Bio 305	Genetics	4
CORE	[Comm 100 Oral Comm]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Hist 120 or 320 U.S. History]	3
		18

Junior Year

1st Semester		
Phys 151	Elem Col Phys I (Math 140)	5
Bio 306	Hum Phys & Anat (Bio 121)	5
Bio 361	Parasitology (Bio 121)	
OR		
Bio 362	Virology (Bio 231)	4
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Humanities & Fine Arts]	3
		19

2nd Semester		
Chem 421	Analy Chem II (Chem 201)	
OR		
Chem 351	Biochemistry (Chem 300)	4-5
Phys 152	Elem Col Phys II (Phys 151)	4
Bio 456	Immunology	4
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[International Cultural Studies]	3
		18-19

Senior Year

1st Semester		
<i>(At an approved School of Medical Technology)</i>		
MT 401	Clinical Chemistry	10
MT 403	Hematology	6
		16

2nd Semester		
<i>(At an approved School of Medical Technology)</i>		
MT 402	Clinical Microscopy	1
MT 404	Serology	3
MT 405	Clinical Microbiology	7
MT 406	Immunohematology	3
MT 407	Special Topics in Med Tech	2
		16

(Prerequisites)
[Department Recommendations]

For additional information contact:

Dr. Vernon Baiamonte
Office: Reynolds Hall 213
Phone: 625-9541
OR
Dr. Melvyn Mosher
Office: Reynolds Hall 242
Phone: 625-9733

Course Descriptions

MT 401 (F) 10 hrs. cr.
Clinical Chemistry
Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation and special procedures. Five hrs. lecture, 20 hrs. clinic/lab per week.

MT 402 (S) 1 hr. cr.
Clinical Microscopy
Principles and techniques of the physical, chemical and microscopic examination of urine and other excrete as related to disease processes. One hr. lecture, clinic by arrangement.

MT 403 (F) 6 hrs. cr.
Hematology
The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders. Three hrs. lecture, 12 hrs. clinic/lab per week.

MT 404 (S) 3 hrs. cr.
Serology-Immunology
The science of immunity including antibody development, principles of antigen-antibody interactions and techniques of serological testing for various disease states. Three hrs. lecture, 12 hrs. clinic/lab per week.

MT 405 (S) 7 hrs. cr.
Clinical Microbiology
Sterile technique, methods of handling and inoculating specimens containing pathogenic microorganisms, isolation and identification of pathogenic microorganisms, laboratory tests in chemotherapy, and diagnostic bacteriology, mycology and parasitology. Four hrs. lecture, 12 hrs. clinic/lab per week.

MT 406 (S) 3 hrs. cr.
Blood Bank-Immunohematology
Blood group systems and the immune response. Methods of crossmatching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hr. lecture, 8 hrs. clinic/lab per week.

MT 407 (S) 2 hrs. cr.
Special Topics in Medical Technology
Lecture and/or clinical practice in the areas of in-service education, management and supervision, research and development, and principles and techniques of the instructional process. Lecture and labs to be arranged.

Nursing

Kuhn Hall 210, 625-9322

Faculty Box - Head, Ayton, Eller, Jacobs, Shippee, Singleton

The bachelor of science degree nursing program provides intensive preparation for the first-time entering student and licensed practical nurse seeking licensure as a registered nurse and the registered nurse pursuing baccalaureate education in the nursing discipline.

The program is based on systems emphasizing person, nursing, health and environment. Core Curriculum and required support courses augment the nursing courses in preparing a professional nurse for the 21st century who is able to function at the client's side in a diverse health care delivery system.

Upon successful completion of the program, the graduate is eligible to apply to take the examination for licensure as a Registered Nurse (RN) barring restrictions stated in the Nursing Practice Act 335.066,1,2 (1)-(14) of the state of Missouri. "The applicant shall be at least nineteen years of age . . ." according to the Nursing Practice Act 335.046 of the Missouri Statutes. Contact nursing department or State Board of Nursing for further information.

The program is accredited by the National League for Nursing Accrediting Commission and the Missouri State Board of Nursing.

Graduate Outcomes

Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.

- Provide contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary, and tertiary prevention.
- Manage health care delivery through coordination, collaboration and delegation.
- Integrate communication strategies in interacting with the person and information systems.
- Apply nursing and health related research to nursing practice.

Admission Criteria

1. Continuous enrollment, readmission or admission to College as a transfer student.
2. Cumulative grade point average of 2.5 minimum based upon completion of freshman and sophomore courses listed in the suggested order of study.
3. Completion of the following four natural and physical science courses with a grade of "C" or higher:
 - Bio 121 General Zoology
 - Bio 306 Human Physiology and Anatomy
 - Bio 231 General and Medical Microbiology
 - Chem 100 Introductory Chemistry
4. Minimum of 20th percentile score on the Nelson Denny Reading Examination.
5. Credit hours from the suggested order of study must be completed prior to entering the nursing major course.

Admission to the program is competitive.

Students who meet all admission criteria and have completed the suggested order of study for the bachelor of science degree in nursing at Missouri Southern State College will be given preference in admission.

Applicants holding a baccalaureate degree are considered by the College as having completed the Core Curriculum requirements.

Degreed nursing applicants must meet all stated admission requirements.

The cumulative grade point average will apply for degreed nursing applicants.

Required support courses for admission into the nursing major are as follows:

Bio 121	General Zoology	4
Bio 306	Human Physiology and Anatomy	5
Bio 231	General and Medical Microbiology	5
Bio 308	Pathophysiology	4
Kine 385	Nutrition for Human Development	3
Total		21

Applications, readmission and transfer criteria are available in the Department of Nursing in Kuhn Hall. Application deadline is **January 15**.

The applicant is responsible for requesting and verifying that the transcript evaluation and MSSC transcript are part of their applicant profile prior to **February 1**.

Admission of Registered Nurses (RN)

Registered nurses are admitted to the College as graduates of Southern's ADN Program or as transfer students. In addition to the Program admission requirements, registered nurses must also meet the following requirements:

1. Graduation from a state-approved and National League for Nursing (NLN) accredited Associate Degree or Diploma nursing program.
2. Current registered nurse licensure or eligibility in the state of Missouri.
3. The registered nurse has the option to challenge 25 credit hours of junior level nursing major requirements by successfully passing the NLN Mobility Profile II examination and Departmental Validation Examination. A minimum decision score of 80 on the NLN Mobility Profile II Examination Books 1, 2, and 3 and 75 percent on the Departmental Validation Examination is required.

Nurs 400 Complex Nursing, a senior level course, may be challenged by passing the NLN Nursing Care of Adults Part III with a 50 percentile thus granting 6 credit hours for a total of 31 credit hours.

Admission of Licensed Practical Nurses (LPN)

Licensed Practical Nurses (LPN) are admitted to the College as first-time (generic) or transfer students. LPN applicants must meet all college and program requirements for admission. The LPN has the option to challenge 5 credit hours for Nurs 310 Health Assessment and Technologies through departmental examination.

Special Fees

In addition to all established fees for college students, a special laboratory fee of \$100.00 is assessed for each of the following courses:
Nurs 310 Health Assessment and Technologies
Nurs 430 Advanced Health Assessment

Other costs incurred during the program include, but are not limited to: required equipped nurse bag (\$225), uniforms, pins, standardized examination fees, graduation fees, licensing examination fees, hepatitis series, etc. A detailed list of items and costs is available in the Nursing Department.

Bachelor of Science Degree in Nursing

	Semester Hours
Core Requirements (p. 43)	51
Nursing Major Requirements	83
(See course descriptions for prerequisites)	
Nurs 300 Concepts of Professional Nursing (WI)	3
Nurs 310 Health Assessment and Technologies	5
Nurs 320 Adult Nursing	7
Nurs 350 Family Nursing	9
Nurs 360 Mental Health Nursing	4
Nurs 370 Gerontic Nursing	3
Nurs 400 Complex Nursing	6
Nurs 420 Nursing Ethics	3
Nurs 430 Advanced Health Assessment	3
Nurs 450 Community Health Nursing	5
Nurs 460 Nursing Research (WI)	3
Nurs 470 Nursing Management and Leadership	5
Nurs 480 Issues in Nursing	2
Bio 121 General Zoology	4
Bio 306 Human Physiology and Anatomy*	5
Bio 231 General and Medical Microbiology	5
Bio 308 Pathophysiology	4
Chem 100 Introductory to Chemistry*	5

Comp 105	Introduction to Microcomputers	3
Kine 385	Nutrition for Human Development	3
Psy 320	Statistics	3

* Satisfies the Core requirement for Area 3 Natural Science and Behavioral Science

Suggested Order of Study

Bachelor of Science Nursing - Four Year

Freshman Year

Fall Semester		Hours
Course		
Bio 121	General Zoology	4
Eng 101	English Comp I (WI)	3
Math 130	College Algebra	3
Comm 100	Oral Communication	3
Kine 103	Lifetime Wellness	2
Comp 105	Intro to Microcomputers@	3
Psy 120	College Orientation	1
		19

Freshman Year

Spring Semester

Bio 306	Human Physiology and Anatomy*	5
Eng 102	English Comp II (WI)	3
Chem 100	Intro to Chemistry*	5
Econ 180	Amer Econ System	3
Psy 100	General Psychology	3
		19

Sophomore Year

Fall Semester

Bio 231	General and Medical Microbiology*	5
CORE	Area 2.a (Fine Art)	3
CORE	Area 2.b (Literature)	3
Kine 385	Nutrition for Human Development	3
Hist 110	U.S. History 1492-1877	3
		17

Sophomore Year

Spring Semester

Bio 308	Pathophysiology*	4
CORE	Area 2.c (Fine Art or Literature)	3
CORE	Area 5 (International Culture Studies)	3
PSc 120	Gov't: U.S., St, Local	3
Kine 101	Physical Activity	1
Hist 120	U.S. Hist 1877 - Pres	3
		17

Junior Year

Fall Semester

Nurs 300	Concepts of Professional Nursing (WI)	3
Nurs 310	Health Assessment and Technologies+^	5
Nurs 320	Adult Nursing+	7
		15

Junior Year

Spring Semester

Nurs 350	Family Nursing+	9
Nurs 360	Mental Health Nursing+	4
Nurs 370	Gerontic Nursing	3
		16

Senior Year

Fall Semester

Nurs 400	Complex Nursing*#	6
Nurs 420	Nursing Ethics	3
Nurs 430	Adv Health Assessment	3
Psy 320	Statistics*	3
		15

Senior Year

Spring Semester

Nurs 450	Community Health Nursing	5
Nurs 460	Nursing Research (WI)	3
Nurs 470	Nursing Mgmt & Leadership	5
Nurs 480	Issues in Nursing	2
		15

*See course descriptions for prerequisites.

+Credits by examination, NLN Mobility Profile II for Registered Nurses.

@Department waiver as outlined in Student Handbook.

^Credit by departmental examination for Licensed Practical Nurses.

#Credit by departmental examination for Registered Nurses.

Minors

Minors in supportive disciplines are available to nursing students. See requirements for the following suggested (but not exclusive) minors.

Informatics - pg. 171

Business - pg. 123

Suggested Order of Study

Bachelor of Science - Five Year

1st Year - Fall Semester

Course		Hours
Bio 121	General Zoology	4
Eng 101	English Composition I (WI)	3
Comm 100	Oral Communication	3
Kine 103	Lifetime Wellness	2
Psy 120	College Orientation	1
		13

1st Year - Spring Semester

Bio 306	Human Physiology and Anatomy*	5
Eng 102	English Composition II (WI)	3
Comp 105	Intro to Microcomputer Use	3
Math 130	College Algebra	3
		14

2nd Year - Fall Semester

Chem 100	Introduction to Chemistry*	5
Econ 180	American Economic System	3
Psy 100	General Psychology	3
CORE	Area 2.a (Fine Art)	3
		14

2nd Year - Spring Semester

Bio 231	General and Medical Microbiology*	5
CORE	Area 2.b (Literature)	3
Hist 110	U.S. History 1492-1877	3
Kine 101	Physical Activities	1
		12

3rd Year - Fall Semester

Kine 385	Nutrition for Human Dev	3
Hist 120	U.S. History 1877 to Present	3
CORE	Area 2.c (Fine Art or Literature)	3
CORE	Area 5 (International Culture Studies)	3
		12

3rd Year - Spring Semester

Bio 308	Pathophysiology*	4
Psy 320	Statistics*	3
PSc 120	Gov't: U.S., State, Local	3
Optional Elective		3
		13

4rd Year - Fall Semester

Nurs 300	Concepts of Prof Nurse (WI)	3
Nurs 310	Health Assessment/Tech+^	5
Nurs 320	Adult Nursing+	7
		15

4rd Year - Spring Semester

Nurs 350	Family Nursing+	9
Nurs 360	Mental Health Nursing+	4
Nurs 370	Gerontic Nursing	3
		16

5th Year - Fall Semester

Nurs 400	Complex Nursing*#	6
Nurs 420	Nursing Ethics	3
Nurs 430	Advanced Health Assessment	3
		12

5th Year - Spring Semester

Nurs 450	Community Health Nursing	5
Nurs 460	Nursing Research (WI)	3
Nurs 470	Nursing Mgmt & Leadership	5
Nurs 480	Issues in Nursing	2
		15

*See course descriptions for prerequisites

+Course challenge examination for Registered Nurses - NLN Mobility Profile II

^Course challenge for Licensed Practical Nurses

#Course challenge examination for Registered Nurses - Departmental

Americans with Disabilities Act implications

Students will be required to have completed a physical examination/health verification after admission to the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

Course Descriptions

Nurs 300 (F) 3 hrs cr.

Concepts of Professional Nursing (WI)

Focuses on the knowledge and technologies needed to assume the roles of the professional nurse as provider of care, teacher, communicator and contributor to the discipline of nursing. The course is structured to provide an opportunity for the socialization of the learner to professional nursing practice. Three hrs. lecture per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 310 and Nurs 320.

Nurs 310 (F) 5 hrs cr.

Health Assessment and Technologies

Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hrs. lecture and 6 hrs. lab per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 300 and Nurs 320.

Nurs 320 (F) 7 hrs cr.

Adult Nursing

Focuses on variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four hrs. lecture and 9 hrs. clinical per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 300 and Nurs 310.

Nurs 350 (S) 9 hrs cr.

Family Nursing

Focuses on health promotion of the developing family and nursing care of the maternity and pediatric client with variances of health. Five hrs. lecture and 12 hrs. clinical per week. Prerequisites: Nurs 300, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 360 and Nurs 370.

Nurs 360 (S) 4 hrs cr.

Mental Health Nursing

Focuses on assessment, promotion of mental health and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hrs. lecture and 6 hrs. of clinical per week. Prerequisites: Nurs 300, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 370.

Nurs 370 (S) 3 hrs cr.

Gerontic Nursing

Focuses on the normal aging process and common health variances of the older person. Three hrs. lecture per week. Prerequisites: Nurs 300, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 360 or RN status with permission of instructor.

Nurs 400 (F) 6 hrs cr.

Complex Nursing

Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Two hrs. lecture and 12 hrs of clinical per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 420 and Nurs 430.

Nurs 420 (F) 3 hrs cr.

Nursing Ethics

Focuses on the process of ethical decision making. Ethical issues confronting the professional nurse are explored. Three hrs. lecture per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 430.

Nurs 430 (F) 3 hrs cr.

Advanced Health Assessment

The emphasis of advanced health assessment will be refining abilities to utilize technique to assess, identify and describe variances from normal. Two hrs. lecture and 3 hrs. of lab per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 420.

Nurs 450 (S) 5 hrs cr.

Community Health Nursing

Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hrs. of lecture and 6 hrs. of clinical. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 460, Nurs 470 and Nurs 480.

Nurs 460 (S) 3 hrs cr.

Nursing Research (WI)

Emphasizes evaluation of nursing research, utilization of research findings in the clinical setting and assisting in the conduct of research. Three hrs. of lecture per week. Prerequisites: Psy 320, Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, Nurs 470 and Nurs 480.

Nurs 470 (S) 5 hrs cr.

Nursing Management and Leadership

Emphasis is on nursing management and organization, nursing leadership skills and resource allocation. Three hrs. lecture and 6 hrs. clinical per week. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, Nurs 460 and Nurs 480.

Nurs 480 (S) 2 hrs cr.

Issues in Nursing

Investigates current trends and issues in nursing on the local, national and international scene. Two hrs. lecture per week. Prerequisites: Nurs 400, Nurs 420, and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, Nurs 460 and Nurs 470.

Nurs 498 (Demand) 1-3 hrs cr.

Seminar in Nursing

Special topic or topics not normally included in another course. Prerequisites: Upper division standing, additional requirements will be stipulated in the syllabus of the course.

Nurs 499 (Demand) 1-3 hrs cr.

Independent Study

Independent study course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration in the course must be approved by adviser, department head and school dean. Minimum of 3.0 GPA required.

Paramedic

Justice Center 114, 625-3020

Major Code 7008
Faculty Krtek

The School of Technology offers certificate programs preparing students to take state certifying examinations as Emergency Medical Technicians or as Paramedics. This is closely integrated with area Emergency Medical Services and hospitals. Students seeking information about these programs should check with the Director of EMS programs for details about scheduling of the courses. The curriculum and its length varies with current Missouri state requirements.

188 / Nursing, Pre-Engineering

Associate of Arts

Core Requirements		42
Bio 306	Human Physiology and Anatomy*	5
EMT Course		6
EMT-P Course		18
		71

*Satisfies Core requirements

Course Descriptions

Para 298 (Demand) 18 hrs. cr.
EMT-P (Paramedic)

Classroom instruction supplemented by clinical observation and experience. The program meets over a two semester period. The classroom phase consists of three 3-hr. sessions per week. The clinical training is arranged through area hospitals and ALS ambulance services. Applicants must be at least 18 years of age, hold a high school diploma or equivalent and possess a current Missouri State EMT ambulance license. A minimum of one year experience is preferred. Out-of-state students should contact the E.M.S. Training office no later than May to begin reciprocity application. Applications and pretest information should be obtained from the office before the end of the Spring semester. Special book and equipment fees are assessed for this course.

For additional information contact:

Michael Kitek

Office: Justice Center 114

Phone: 625-3020

Visit our web site at: <http://www.mssc.edu/schtech/ems/home.htm>

Pre-Engineering

Reynolds Hall 208/212, 625-9719/625-9540

Faculty Chelf, Knapp, Phillips, Sloan

The physical science department at Missouri Southern, in cooperation with the engineering staff at the University of Missouri-Rolla and the University of Missouri-Columbia have prepared booklets describing the Cooperative Engineering Program between these schools and MSSC. These booklets list the course sequence for a student taking the first two or two and one-half years of an

engineering science curriculum at Southern and planning to transfer to UMR or UMC. The plan also includes the courses the student will take at UMR or UMC to complete a B.S. degree in various engineering disciplines.

Although most of the engineering programs are standard for the first two years, there are a few differences and thus the student should meet with a pre-engineering adviser during the first semester. If a student wishes to transfer to a school other than UMR or UMC, it is suggested that the catalog of that school be reviewed for any differences in its program and the UMR or UMC outline. College catalogs are available in the Reserve area of Spiva Library. Any adviser who desires a copy of the booklet should contact the physical science department.

		Semester Hours
Core Requirements** (p. 43)		25
Pre-engineering Requirements		48
Phys 160	General Physics I*	3
Phys 270	General Physics II*	5
Phys 280	General Physics III*	5
Phys 312	Statics*	3
Chem 101	General Chemistry I*	5
Math 150	Calculus with Analytical Geometry I*	5
Math 250	Calculus with Analytical Geometry II*	5
Math 260	Calculus with Analytical Geometry III*	5
Comp 110	Programming I	3
Econ 201	Principles of Economics (Macro)	3
Elective	(Math or Physics)***	3
Elective	(Humanities/Social Science/Drafting/Chemistry)***	3
		73

*See course descriptions for prerequisites.

**Required math and physics courses simultaneously satisfy Core Curriculum and major requirements.

***The student should meet with a pre-engineering adviser for the proper selection depending on the field of engineering.

Suggested Order of Study

Associate of Science Degree

Major Code 5499

Pre-engineering Major

Freshman Year

1st Semester		Hours
CORE	[Eng 101 Comp I]	3
Math 150	Calculus I	5
Phys 160	General Physics I	3
Chem 101	General Chemistry I	5
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		18

2nd Semester

Math 250	Calculus II	5
Phys 270	General Physics II	5
Econ 201	Prin of Economics	3
CORE	[Fine Arts/Draft/Chem III]*	3-5
		16-18

Sophomore Year

1st Semester		Hours
Math 260	Calculus III	5
Phys 280	General Physics III	5
Comp 110	Programming I	3
CORE	[Sociology or Psychology]*	3
CORE	[Kine 103 Lifetime Wellness]	2
		18

2nd Semester

Math 322	Differential Eq.	3
Phys 372	Electronic Circuits	4
Phys 341	Thermal Physics (4)	
OR		
Phys 322	Classical Mechanic (3)	3-4
CORE	[Comm 100 Oral Comm]*	
AND/OR		
CORE	[Humanities/Fine Arts]	3-6
		16-17

Summer Session

Phys 312	Statics	3
CORE	[Hist 110/120 U.S. Hist]	3
		6

*Suggested elective (not strict requirements)

For additional information contact:

Dr. Russell Phillips

Office: Reynolds Hall 208

Phone: 625-9719

Preprofessional

EMS-Annex, 625-9328

Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours.

Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose this degree program.

Radiologic Technology

Kuhn Hall 304, 625-3118

Faculty Beals

The associate of science degree in radiologic technology combines Core Curriculum courses, supportive courses in the behavioral sciences and natural sciences and special courses in the field of radiology including extensive clinical laboratory experiences. The clinical laboratory experiences are provided through agreements between Missouri Southern and St. John's Regional Medical Center or other accredited facilities. The student successfully completing the curriculum is eligible to write the National Registry Examinations to become a Registered Technologist.

Completion of the degree requires the completion of Core Curriculum requirements for the associate of science degree, all radiologic technology courses, Bio 306, Bio 240, Chem 100 or Phys 100 and Psy 221. Applicants whose backgrounds have not prepared them for Bio 306 must meet these prerequisites before being admitted to the program.

Special admissions procedures are required for admittance into this program in addition to admission to Missouri Southern State

College. A special Radiologic Technology application must be turned in to the Director of the Radiology Program before March 1st of the year the student would enter the program. Students may begin the program only at the beginning of the fall semester.

In addition to established fees for all college students, special fees of \$100 for the first semester and \$40 for each succeeding term, including summers, are required for enrollment in radiology courses.

Students who are already Registered Radiologic Technologists may also enter this program.

Radiological course credit will be granted to the Registered Radiologic Technologist, equal to that granted to the graduating associate of science student, at the time the Registered Radiologic Technologist starts the program. A minimum of 30 additional academic semester hours is required. This credit must include the general education requirements for the associate of science degree plus a concentration of courses in one of the subject matter areas of business (accounting and secretarial procedures or business management), behavioral sciences or natural science (concentration in either biology, chemistry or physics).

Associate of Science in Radiologic Technology

	Semester Hours
Core Requirements (p. 43)	25
Radiology Requirements	55
Rad 101 Introduction to Radiology*3	
Rad 111 Medical Terminology	3
Rad 121 Patient Care and Special Procedures in Radiology	3
Rad 132 Prin of Radiographic Exposure	3
Rad 142 Radiographic Pos I	3
Rad 160 Film Critique	2
Rad 170 Radiologic Physics	3
Rad 180 Practicum in Radiology	4
Rad 241 Radiographic Pos II	3
Rad 252 Radiographic Pos III	3
Rad 282 Practicum in Radiology II	2
Rad 290 Practicum in Radiology III	4
Rad 299 Advanced Radiology	3
Bio 306 Human Physiology and Anatomy*	5
Chem 100 Elementary Chemistry**	
OR	
Phys 100 Fundamentals of Physical Science	5

Psy 221	Psychology of Personal Adjustment	3
Bio 240	Radiation Biology*	3

79

*See course descriptions for prerequisites.
**Satisfies Core Curriculum Requirement.

Suggested Order of Study

Associate of Science Degree

Major Code 5207

Radiologic Technology Major

Freshman Year

Course	Hours
Fall Semester	
Bio 306 Human Physi & Anatomy**	5
Rad 101 Intro to Radiology	3
Rad 170 Radiologic Physics	3
Rad 142 Radiographic Pos I	3
CORE [Psy 120 College Orient]	1
CORE [Kine 101 Physical Activity]	1
	16

Spring Semester

Math 130 College Algebra	
OR	
Math 30 Intermediate Algebra	3
Psy 100 General Psychology	3
Bio 240 Radiation Biology	3
Rad 132 Prin of Radiographic Exp	3
Rad 241 Radiographic Posi II	3
CORE [Kine 103 Lifetime Wellness]	2
	17

Summer Semester*

Rad 160 Film Critique	2
Rad 180 Practicum in Radiology I	4
	6

Sophomore Year

Fall Semester	
Chem 100 Intro Chemistry	
OR	
Phys 100 Fund of Phys Sci	5
CORE [Eng 101 Comp I]	3
Psy 221 Psy of Personal Adjustment	3
Rad 111 Medical Terminology	3
Rad 252 Radiographic Pos III	3
	17

Spring Semester

CORE [Hist 110 or PSc 120]	3
CORE [Comm 100 Oral Comm]	3
Rad 121 Pat Care & Spec Pro	3
Rad 282 Practicum in Radiology II	2
CORE [Literature or Fine Arts]	3
	14

Summer Semester

Rad 290 Practicum in Radiology III	4
Rad 299 Advanced Radiology	3
	7

[Department Recommendations]

190 / Radiologic Technology, Respiratory Therapy

*Summer classes meet a minimum of 12 weeks.

**Placement in Bio 306 will depend on pre-entrance zoology test scores or completion of Bio 121.

For additional information contact:

Mr. Wiley Beals

Office: Kuhn Hall 304

Phone: 625-3118

OR

Dr. Jack G. Spurlin

Office: EMS-Annex

Phone: 625-9328

Course Descriptions

Rad 101 3 hrs. cr.

Introduction to Radiology

Basic procedures and equipment in the radiology department. Includes organization, function and supervision of a radiology department with a history of X-ray, ethical principles and legal aspect of technology and elementary radiation protection. Two hrs. lecture, 2 hrs. lab per week. Prerequisite or corequisite Bio 306.

Rad 111 3 hrs. cr.

Medical Terminology

The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical and surgical diseases is included. Three hrs. lecture per week.

Rad 121 3 hrs. cr.

Patient Care and Special Procedures in Radiology

Routine and special care of the patient. Includes sterile techniques, preparation of contrast media. Special attention to visualization of digestive, urinary and reproductive organs. Three hrs. lecture per week.

Rad 132 3 hrs. cr.

Principles of Radiographic Exposure

Fundamental principles of technique and technique conversion with particular emphasis on the factors that directly and indirectly affect radiographic exposure. Emphasis on radiation protection and darkroom chemistry and techniques. Three hrs. lecture per week.

Rad 142 3 hrs. cr.

Radiographic Positioning I

Basic radiographic positioning including both standard and specialized position of the extremities and spine. Film critique and radiation protection are included. Two hrs. lecture, 3 hrs. lab and 12 hrs. clinic per week.

Rad 160 2 hrs. cr.

Film Critique

Develops student's ability to evaluate X-ray films as to technical quality and diagnostic interpretation. Includes an introduction to quality assurance. One hr. lecture, 2 hrs. lab per week.

Rad 170 3 hrs. cr.

Radiologic Physics

The physics of radiology. The physical principles of X-ray production. Including theory in electricity, rectification, circuitry and basic equipment maintenance. Three hrs. lecture per week.

Rad 180 4 hrs. cr.

Practicum in Radiology I

Intensified clinical training in the areas of urology, surgery, special procedure, fluoroscopy and general radiography. Course meets for 12 weeks summer session. Thirty-five hrs. clinic per week.

Rad 241 3 hrs. cr.

Radiographic Positioning II

In-depth study of routine and special views of the skull and facial bones. Film critique, radiation protection and skull anatomy review included. Two hrs. lecture, 3 hrs. lab, 20 hrs. clinic per week.

Rad 252 3 hrs. cr.

Radiographic Positioning III

Procedures and techniques for examination of various organs, including vascular studies and all special procedures. Course includes film critique, radiation protection and review of vascular anatomy. Three hrs. lecture, 20 hrs. clinic per week.

Rad 282 2 hrs. cr.

Practicum in Radiology II

Advanced clinical training. Includes an introduction to the responsibility of patient flow control. Twenty hrs. clinic per week.

Rad 290 4 hrs. cr.

Practicum in Radiology III

Professional clinical training in which the student controls patient flow. Special attention is given to final training in special procedures and surgery. Includes radiation therapy. Course meets 12 weeks during the summer session. Thirty-five hrs. clinic per week.

Rad 299 3 hrs. cr.

Advanced Radiology

Comprehensive review of the field of radiology including innovations, trends and anticipated advancements in the field. Three hrs. lecture per week.

Respiratory Therapy

Allied Health, 659-4400

Faculty Erwin, Pippin

Respiratory Therapy Technician to Associate Degree Therapist

A career in the medical field can be a dynamic and rewarding opportunity. The changing nature of the medical profession is creating a demand for multi-skilled health professionals such as the respiratory care practitioner. The Respiratory Care Programs are designed to prepare students to be employed in the hospital, clinic, laboratory, and the patient home setting. Respiratory Therapist perform a variety of clinical, diagnostic and management functions in these settings.

Southern offers an associate of science degree in respiratory therapy for the graduate of an accredited entry level respiratory therapy program. Previous respiratory care education and practice are recognized and valued throughout the curriculum. The associate degree curriculum expands respiratory care knowledge and practice gained in the entry level program to meet the changing health care needs of the community and region.

Certified Respiratory Therapists are admitted to the College as graduates of Franklin Technology Center's respiratory care technician program. In addition to the College's admission and transfer requirements, applicants to the associate degree program must show evidence of: graduation from a JRCRTE accredited entry level respiratory care program; current certification from the National Board of Respiratory Care. Recent graduates may be admitted conditionally as graduate technicians. These graduates must meet certification requirements prior to earning an associate degree from Southern.

Graduates of an entry level program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) other than Franklin Technology Center may enter the program upon admission to Southern and obtaining approval of the Respiratory Therapy Program Director and the Dean of Technology.

The associate of science degree in respiratory therapy combines Core Curriculum courses, advanced level respiratory care courses, entry level respiratory care courses, and courses in natural sciences to assure graduate outcomes.

Graduate outcomes

Graduates of the program will:

- Demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their role as respiratory therapist.
- Demonstrate the technical proficiency in all skills necessary to fulfill the role as a respiratory therapist.
- Demonstrate personal behavior consistent with professional and employer expectations for the respiratory therapist.

Admission Criteria

1. Graduation from a program accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP) for entry level respiratory care.
2. Continuous enrollment, readmission or admission to Southern as a transfer student.
3. Preference given to persons currently holding certification from the National Board of Respiratory Care.

Associate of Science in Respiratory Therapy

Associate Degree Core Requirements
not included in entry level curriculum **18**

Associate Degree Core Requirements
included in entry level curriculum **7**

Franklin Technology Center
Respiratory Care Articulation **20**

Associate Degree Respiratory Therapy
Course Requirements **21**

Resp 212 Advanced Life Support **3**

Resp 218 Advanced Life Support
Clinical Internship **3**

Resp 207 Cardiopulmonary
Assessment and
Hemodynamic Monitoring **3**

Resp 217 Cardiopulmonary
Assessment Clinical
Internship **3**

Resp 211 Advanced Neonatal and
Pediatric Care **3**

Resp 218 Neonatal and Pediatric
Clinical Internship **3**

Resp 213 Pulmonary Rehabilitation
and Home Care **3**

66

Sophomore Year

Fall Semester

Eng 101 English Composition **3**

Hist 120 US History **3**

Hper 101 Physical Activity **1**

Resp 212 Advanced Life Support **3**

Resp 218 Advanced Life Support
Clinical Internship **3**

13

Spring Semester

Comm 100 Oral Communications **3**

Psy 100 General Psychology **3**

Art 110 Art Appreciation **3**

Kine103 Lifetime Wellness **2**

Resp 207 Cardiopulmonary Assessment
& Hemodynamic Monitoring **3**

Resp 217 Cardiopulmonary Assessment
Clinical Internship **3**

17

Summer Semester

Resp 211 Advanced Neonatal &
Pediatric Care **3**

Resp 220 Neonatal & Pediatric
Clinical Internship **3**

Resp 213 Pulmonary Rehabilitation &
Home Care **3**

9

(Department Recommendation)

Entry level core should include Fundamentals of Physical Science or Introduction to Chemistry, Intermediate Algebra, Introduction to Computers and a total of six semester credits of anatomy and physiology and/or cardiopulmonary anatomy physiology.

For additional information contact:
Director of Respiratory Care Programs
Missouri Southern State College/Franklin
Technology Center
Allied Health Office
3950 E. Newman Road
Joplin, MO 64801-1595
Phone: 417-659-4400

Suggested Order of Study

Respiratory Care Entry Level

Freshman Year

Course	Hours
Core Curriculum	20

Bio 101	General Biology (included in the entry level core)	4
---------	--	---

Resp 102	Applied Math (included in the entry level core)	
----------	---	--

OR

Math 030	Intermediate Algebra	3
----------	----------------------	---

27

Institute of International Studies



★ International Studies
★ Interdisciplinary Studies

International Studies

Webster Hall 351, 417-659-4442

Faculty Massa - Director;
Moorman - Assistant to Director;
Bastian - Administrative Assistant

Role

International studies as defined by the Institute of International Studies allow as many disciplines as possible to become involved in the internationalizing of the College. In its conception, the Institute believes **INTERNATIONAL** implies the wholeness, the complexity, and the interdependence of all nations of the world. The Institute proposes five dimensions to global learning: that students become aware that they have a view of the world that is not universally shared; that students explore perceptions of the world as others see it; that students increase their awareness of the state of the planet, or where we have been, where we are, and where we are likely to be heading; that students derive a knowledge of how the world works; and an awareness that human choice is possible and can make a difference.

Today one must cope with a growing array of complex global issues which are, at their core, as former U.S. Senator William Fulbright once said, human problems not technological ones. Because of that, international studies must center on constructive interaction with people from cultures and countries other than the students' own. The Institute of International Studies provides courses, coordinates international enhancement of existing courses, supports development of new international courses, and promotes study, work, and travel abroad by students and faculty. Integrating language and cross cultural studies with disciplines and specific areas of concern, the Institute offers both a major and minor in international studies, further emphasizing the importance of such inquiry in the students' future world. The major in international studies is committed to the development by students of high intellectual standards, concern for the whole person, and practical cross-cultural and professional skills to enable them to embark upon immediate employment or graduate study. The Institute, moreover, is committed, through its leadership, in assisting global education to become more pervasive throughout the curriculum and extracurricular activities of the College.

Finally, the Institute is committed to continual assessment of international programs and its mission to ensure that students develop not only an awareness of international problems but specific competencies needed in business, industry, government, education, and the professions.

Objectives

It is the goal of the Institute of International Studies that all baccalaureate graduates of Missouri Southern State College, as a result of international programs, courses, and course elements, shall:

1. Demonstrate an awareness of cultures other than their own, with their differing values, traditions, and institutions.
2. Realize the need for a tolerance of human diversity.

It is the goal of the major in international studies that students who complete the program shall:

1. Demonstrate communication skills in a language other than their own at a proficiency beyond the intermediate level of study.
2. Analyze a variety of problems of international significance, selecting or creating possible solutions, and defining possible means of implementation.
3. Compare values of one culture with those of another, demonstrating how values develop and analyzing how cultural values impact on decisions of international importance.
4. Analyze the impact of social institutions in their own culture as well as in another, demonstrating an understanding of individuals' roles in these systems, be they governmental, economic, religious, family, or occupational.
5. Identify activities and products which constitute the scientific/technological aspects of a culture other than their own, demonstrating an understanding of the impact of such activities and products on the individuals and the physical environment in a culture.
6. Identify those activities and products which constitute the artistic aspects of a culture other than their own; understand the impact which art, in its various forms, has on individuals in a culture; and analyze the uses of works of art within that culture.

Student Organizations

The International Club includes international students, international studies majors and minors, and students, faculty, and staff interested in understanding other cultures.

A major in international studies may lead a student to a satisfying career in foreign service or may prepare a student for graduate studies in specialized international fields. When combined with a major in another discipline, a major in international studies will prepare a student for a variety of jobs in the international workplace. It is through close consultation with an adviser that the student will most properly prepare for a career.

The Bachelor of Arts Degree with a Major in International Studies

	Semester Hours
Core Requirements (p.43)	48*
Foreign Language	12
(4 courses in one foreign language are required for the B.A. degree.)	
International Studies Requirements:	46-50
IntS 201 Introduction to International Studies	3
IntS 301 World Humanities	3
IntS 302 World Environmental Issues	3
IntS 303 Contemporary World Civilizations	3
IntS 304 Comparative Political Economy	3
IntS 305 International Techno-Trends**	3
IntS 400 Senior Thesis in International Studies	3
Supporting Requirements:	
Foreign Language	6
(6 additional hours in the foreign language used to satisfy the B.A. requirement)	
An appropriate research methods course in a specific discipline must be chosen in consultation with the student's adviser.	
Electives in approved international courses	1-5
Electives	18-22
	128***

*Three hours of foreign language meet core requirements.

**Meets computer literacy requirement.

***Must include at least 40 upper-division (300-400 level) hours.

The Minor in International Studies

	Semester	Hours
IntS 201 Introduction to International Studies	3	
At least two of the following:	6	
IntS 301 World Humanities	3	
IntS 302 World Environmental Issues	3	
IntS 303 Contemporary World Civilizations	3	
IntS 304 Comparative Political Economy	3	
IntS 305 International Techno-Trends	3	

Six additional hours which can be selected from **IntS** designated courses and from IntS 301, 302, 303, 304, 305 or IntS 400, Senior Thesis in International Studies.

(Three hours could include a study-abroad experience.)

Foreign Language (six hours beyond the B.A. requirement of 12 hours, all in the same language.)

Suggested Order of Study

Bachelor of Arts

Major Code 4900

International Studies Major

Freshman Year

Course	Hours
CORE [Eng 101 Comp 1]	3
CORE [Math 110 Intro to Col Math]	3
CORE [Comm 100 Oral Comm]	3
CORE [Kine 101 Physical Activity]	1
Foreign Language	3
Elective [Hist 130 World Civilizations]	3
Psy 120 College Orientation	1
	17

2nd Semester

CORE [Eng 102 Comp II]	3
CORE [PSc 120 Gov't: U.S./Sta/Loc]	3
CORE [Art/Mus/Th 110 Appreciation]	3
CORE [Kine 160 Lifetime Wellness]	2
Foreign Language	3
Elective [Hist 140 World Civilizations]	3
	17

Sophomore Year

1st Semester	
CORE [Hist 110 U.S. History]	3
CORE [Phys 100 Fund of Phys Sci]	5
Foreign Language	3
IntS 201 Intro to Int'l Studies	3
CORE [Econ 201 Prin of Econ]	3
	17

2nd Semester

CORE [Bio 101 General Biology]	4
Foreign Language	3
IntS 304 Comp Political Economy	3
CORE [Eng 261 Mstrpces of Wld Lit]	3
Elective [Geog 211 Regions/Nations]	3
	16

Junior Year

1st Semester	
CORE [Hist 120/320 U.S. History]	3
Foreign Language	3
IntS 301 World Humanities	3
CORE [Eng 262 Mstrpces of Wld Lit]	3
Elective [Comm 305 Intercul Comm]	3
IntS 303 Contemporary World Civ	3
	18

2nd Semester

CORE [Psy 100/Soc 110]	3
Foreign Language	3
IntS 302 World Environmental Issues	3
Electives	6
	15

Senior Year

1st Semester	
IntS 305 International Techno-Trends	3
Electives	12
	15

2nd Semester

IntS 400 Sr Thesis in Int'l Studies	3
Electives	10
	13

[Department Recommendations]

For additional information contact:
Director, Institute of International Studies
Office: Webster 351
Phone: 417-659-4442

Course Descriptions

IntS 201 (F) 3 hrs. cr.

Introduction to International Studies

An introduction to the interdisciplinary study of global issues. The student will receive a variety of ideas, insights, and images of the world, and will discuss a number of topics including methodologies of global studies and career options. Required of international studies majors and minors, open to all others.

IntS 298 (Demand) 3 hrs. cr.

Selected Topics in International Studies

Topics not normally included in another course. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 301 (F) 3 hrs. cr.

World Humanities

Transcultural study of the manifestations of the major art forms of the humanities: literature, theatre and film, painting and sculpture, music and dance. The course will stress critical exploration of the relation of the art forms to the cultures from which they emerge and comparative study of the nature and function of the art forms in traditions temporally or spatially distinct from each other, including western and eastern traditions. Required of international studies majors; open to all others. Prerequisite: 3 cr. hrs. from among Core Curriculum humanities courses.

IntS 302 (S) 3 hrs. cr.

World Environmental Issues

A global survey of the environmental disasters, both natural and manmade, that plague the world community, including earthquakes, volcanoes, floods, avalanches, atmospheric phenomena, climate modification, radiation, destruction of tropical rainforests, declining biodiversity, resource depletion, stratospheric ozone depletion, urbanization and overpopulation; discussion of global carrying capacity and limits to growth; analysis of "sustainable" global communities; an overview of global responses to environmental issues through economic policies, the United Nations, international treaties, and the "Green" political movement; and critical review of the various philosophies which underpin contemporary evaluations of the condition of the environment. Required of international studies majors; open to all others. Prerequisite: Physics 100 and Biology 101.

IntS 303 (F) 3 hrs. cr.

Contemporary World Civilizations

A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of international studies majors; open to all others. Prerequisite: 3 hours of history.

IntS 304 (S) 3 hrs. cr.

Comparative Political Economy

Comparative study of alternative methods of solving the political and economic problems of production, distribution and allocation. Required of international studies majors, open to all others. Prerequisite: 3 hours of economics.

196 / *International Studies, Interdisciplinary Studies*

IntS 305 (F)

3 hrs. cr.

International Techno-Trends

A systematic and comparative view of the historical, cultural, environmental, ethical, economic, legal and political factors that have influenced issues and trends in technology. Issues related to international communications, criminal justice, health and manufacturing will be explored. Required of international studies majors and minors; open to all others. Prerequisite: English 102 and Junior Standing.

IntS 400 (F, S)

3 hrs. cr.

Senior Thesis in International Studies

(Writing Intensive)

With a faculty supervisor the student will explore and challenge a topic of global concern and produce a senior thesis and make an oral presentation. Required of all international studies majors. Prerequisite: Senior standing, permission of the director of the Institute of International Studies and an appropriate course in research techniques chosen in consultation with the student's adviser.

IntS 498 (Demand)

3 hrs. cr.

Special Topics in International Studies

For upper-division students. Topic to be announced each time the course is offered. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 499

1-3 hrs. cr.

Independent Study in International Studies

An independent course structured by the adviser with approval of the director of the Institute of International Studies. Prerequisite: Must have completed 90 hours with a cumulative grade point average of 3.0 and have completed a minimum of 15 hours of international studies courses. Project must be approved by adviser, by the course director, and by the director of the Institute of International Studies prior to enrollment.

Interdisciplinary Studies

Multidisciplinary and Interdisciplinary Studies

The goal of interdisciplinary study is to help students develop knowledge and skills outside the traditional discipline boundaries.

Minor in Multimedia

The minor in Multimedia is designed to allow students to gain the skills necessary for careers in a variety of occupations such as business communications, advertising, graphics and the arts, network communication systems, and business and media communication. Students will gain skills in software, multimedia design, programming, communication, marketing, and strategy development.

Minor in Multimedia

Required:

MM 415	Virtual Marketing	3
Comp 110	Programming I	3
Art 101	Basic Design I	3
Comm101	Intro to Human Comm	3
		12

Choose two*:

MM 337	Mgmt Info Systems	3
MM 401	Promotional Mgmt	3
MM 432	Consumer Behavior	3
		6

Total for Minor (Multimedia) 18

*Other courses may be substituted with permission of adviser.

Course Descriptions

MIDS 101 (F,S)

1 hr. cr.

Honors Forum

An open-forum to introduce Honor students to the principles and practice of scholarly inquiry and active learning. Students in small groups are responsible for the selection, design, research, and presentation of topics covering a range or a combination of disciplines. May be taken up to three times for credit.

MIDS 298 (Demand)

1-4 hrs. cr.

Interdisciplinary Seminar

An interdisciplinary course. Topics will vary. Open to all students. 1-4 credit hours. Prerequisites will vary according to topic. Enrollment with instructor's permission only.

MIDS 398 (Demand)

3 hrs. cr.

Interdisciplinary Seminar

An interdisciplinary Honors course. Topics will vary. Open to juniors and seniors in the Honors Program and to others with a 3.5 GPA with instructor's permission. Required for juniors in the Honors Program. Prerequisites: Membership in the Honor's Program and completion of 60 or more credit hours or 3.5 GPA and instructor's permission.

College Organization

College History
Regents/Trustees
Memberships
Accreditations
Administration
Faculty
Index
Applications

College History

The citizens of Joplin, who in the late 1930s asked the public school district to offer college classes, could not have envisioned the sprawling campus and multidiscipline curriculum that today is Missouri Southern State College. From that initial request came Joplin Junior College, founded in 1937 as part of the Joplin school system. Nine faculty members and 114 students began classes under the auspices of the Extension Division of the University of Missouri in the new high school building.

In the spring of 1938, voters approved almost five-to-one a bond proposal that would assure the continuation of the junior college. During the next 25 years Joplin Junior College established a national reputation for outstanding academic strength, a strong foundation for what was to come. By the mid-1960s, area citizens again recognized the need for expanded educational opportunities.

In 1964, the citizens voted eight to one to create the Junior College District of Jasper County with a Board of Trustees to govern the newly named Jasper County Junior College. The following year, the Missouri General Assembly established a two-year senior college to be funded by the state when facilities of the junior college became available. The district would continue to fund the freshman and sophomore years.

The area again responded with enthusiastic and generous support to fund the building of a new campus on the site of the Mission Hills Farm to house the growing college. Administra-

tion and faculty, working with other college educators around the state, began developing the new curriculum. In August 1967, students gathered for the first time on the new campus of Missouri Southern State College.

The dual funding arrangement with the state continued until 1977 when on July 1 the State of Missouri officially took on the responsibility of funding the entire College.

With growing global interdependence, it became clear that Missouri Southern must prepare its students to function successfully in the new world that was emerging. So in June 1990, plans were announced to pursue the expansion of the College's mission to incorporate an international emphasis in all its academic and special programs. In 1995, the Missouri General Assembly approved House Bill 442, directing the institution to "develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." The following year the Legislature began phasing in increased appropriations to help Missouri Southern make the global mission a reality. Many new programs in international education that will enrich and complement the existing programs are now being phased in.

Today Missouri Southern State College remains a proud member of the state's higher education family while continuing to serve the region that is an integral part of its past.

Board of Regents

Glenn D. Wilson	1997
Robert Lamb	1998
Stephen P. Carlton	1999
Carolyn B. Phelps	2000
Jane Wyman	2001
Loretta M. Wilcox	2002

Memberships

Teacher Education Council of State Colleges and Universities
 American Association of State Colleges and Universities
 American Association of Colleges for Teacher Education
 Association of Collegiate Business Schools and Programs
 North Central Association
 Council for the Advancement and Support of Education
 American Assembly of Collegiate Schools of Business
 Association of Collegiate Schools and Business Programs
 National League for Nursing Council of Baccalaureate and Higher Degree Programs
 National League for Nursing Council of Associate Degree Programs

Board of Trustees

Donald R. Patterson
 Jerry E. Wells

Accreditations and Approvals

North Central Association of Colleges and Secondary Schools, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504, Phone: 800-621-7440
 National Council for the Accreditation of Teacher Education 2010 Massachusetts Ave. N.W., Suite 500, Washington D.C. 20036, Phone: 202-466-7496
 Missouri State Board of Nursing
 Missouri State Department of Elementary and Secondary Education
 American Dental Association
 American Medical Association
 National League for Nursing Accrediting Commission
 Committee on Allied Health Education and Accreditation
 National Association for Accreditation of Clinical Laboratory Sciences
 National Environmental Health Association (NEHA)

Information concerning accreditation, including copies of pertinent documents, may be obtained from the Office of the Vice President for Academic Affairs

Administrative Staff

President Julio S. Leon
Senior Vice President John W. Tiede
Vice President for Academic Affairs Erik J. Bitterbaum
Assistant Vice President for Information Services J. Steve Earney
Assistant to the Vice President for Academic Affairs Nadine P. Schmidt

Dean of Students Douglas M. Carnahan
Head Librarian Charles H. Kemp
Registrar To Be Announced

Dean, School of Arts and Sciences J. Larry Martin
Dean, School of Business Administration James M. Gray
Dean, School of Education Michael J. Horvath
Dean, School of Technology Jack G. Spurlin

Head, Department of Art Jim J. Bray
Head, Department of Biology John P. Messick
Head, Department of Communications and Foreign Languages Richard W. Massa
Head, Department of Computer Science Jack L. Oakes
Head, Department of Criminal Justice Robert R. Terry
Head, Department of Dental Hygiene Sandra A. Scorse DeTar
Head, Department of English Stephen J. Spector
Head, Department of Kinesiology J. Dirk Nelson
Head, Department of Mathematics Juan L. Vazquez
Head, Department of Music Pete Havely
Head, Department of Nursing Barbara J. Box
Head, Department of Physical Sciences Vernon D. Baiamonte
Head, Department of Social Science Richard B. Miller
Head, Department of Teacher Education Nancy L. Smith
Head, Department of Theatre Jay E. Fields

Director of Alumni Affairs Lee E. Pound
Director of Assessment and Institutional Research Delores A. Honey
Director of Budgeting and Operations Jeff L. Gibson
Director of Career Services Jennifer H. Yazell
Director of Continuing Education R. Jerry Williams
Director of Counseling Linda S. Caldwell
Director of Enrollment Services Derek Skaggs
Director of Human Resources Theresa A. Agee
Director of Institute of International Studies Richard W. Massa
Director of International Language Resource Center Tatiana V. Karmanova
Director of Learning Center Eillen A. Godsey
Director of Men's Athletics James L. Frazier
Director of Missouri Southern Foundation W. Sue Billingsly
Director of Physical Plant Robert W. Beeler
Director of Public Information Gwen E. Hunt
Director of Student Financial Aid James E. Gilbert
Director of Women's Athletics Sallie L. Beard
Treasurer Steve D. LaFever

Faculty

(Date indicates first year of full-time
MSSC service)

David L. Ackiss

Professor, English 1981
Director of Honors Program
Bachelor's (A.B.), Davidson College
Master's (M.A.), College of William and
Mary
Doctorate (Ph.D.), Duke University
Summer Studies, Oxford University,
England

Franklyn W. Adams

Associate Professor, Biology 1988
Bachelor's (B.S.), University of Southern
Mississippi
Master's (M.A.), Montevallo University
Doctorate (Ph.D.), University of Southern
Mississippi

Laura L. Adkins

Instructor, Mathematics 1980
Bachelor's (B.S.E.), Missouri Southern
State College
Master's (M.S.), Pittsburg State University

Lawrence R. Albright, II

Professor, Chemistry 1969
Bachelor's (B.S.), Northwest Missouri State
University
Master's (M.S.), University of Nebraska
Doctorate (Ph.D.), University of Nebraska

Ann L. Allman

Assistant Professor, Counseling 1988
Counselor
Bachelor's (B.A.), University of Missouri
Master's (M.Ed.), University of Missouri
Doctorate (Ph.D.), University of Missouri

Grace E. Ayton

Assistant Professor, Nursing 1986
Bachelor's (B.S.N.), Columbia Union
College
Master's (M.N.), Wichita State University

Brian C. Babbitt

Professor, Psychology 1977
Bachelor's (B.A.), Western Washington
State College
Master's (M.A.), University of New
Mexico
Doctorate (Ph.D.), University of New
Mexico

Vernon D. Baiamonte

Professor, Chemistry 1967
Head, Department of Physical Sciences
Bachelor's (A.B.), University of Northern
Colorado
Master's (M.A.), University of Northern
Colorado
Doctorate (Ph.D.), Indiana University
Post-Doctoral Fellow, University of
California - Los Alamos

Michael E. Banks

Professor, Education 1975
Bachelor's (B.S.), Oklahoma State
University
Master's (M.S.), New Mexico Highlands
University
Doctorate (Ph.D.), University of Kansas

Francis L. Bartholet

Assistant Professor, Computer Aided
Drafting and Design 1987
Bachelor's (B.S.), St. Cloud State University
Master's (M.Ed.), University of Minnesota
Doctoral Studies, Iowa State University

Dorothy C. Bay

Assistant Professor, Biology 1996
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), Pittsburg State University
Doctorate (Ph.D.), St. Louis University

Wiley A. Beals

Instructor, Radiology 1982
Associate (A.S.), Missouri Southern State
College
Graduate, Burge School of Radiologic
Technology
Registered Radiologic Technologist
American Registry of Radiologic Tech-
nologists

Sallie L. Beard

Associate Professor, Kinesiology 1972
Director of Women's Athletics
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), Pittsburg State University

Sheri L. Beeler

Instructor, Kinesiology 1995
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), Central Missouri State
University

Erik J. Bitterbaum

Professor, Biology 1994
Vice President For Academic Affairs
Bachelor's (B.A.), Occidental College
Master's (M.A.), Occidental College
Doctorate (Ph.D.), University of Florida
Year Abroad, Sussex University, Falmer,
England

Robert S. Black

Assistant Professor, Library 1988
Reference Librarian
Bachelor's (B.A.), Millikin University
Master's (M.L.S.), Indiana University

Holland C. Blades, Jr.

Professor, Business 1987
Bachelor's (B.A.), Millsaps College
Master's (M.B.A.), University of Southern
Mississippi
Doctorate (Ph.D.), University of Arkansas

Beverly A. Block

Professor, Business 1984
Bachelor's (B.S.), Southern Nazarene
University
Master's (M.S.), University of Arkansas
Doctorate (Ed.D.), University of Arkansas

Kathryn S. Blunt

Instructor, Nursing 1996
Bachelor's (B.S.N.), Pittsburg State
University
Master's (M.S.N.), University of Missouri,
Kansas City

Barbara J. Box

Professor, Nursing 1986
Director of Nursing
Bachelor's (B.S.N.), Carlow College
Master's (M.S.), University of Oklahoma
Doctorate (Ed.D.), Oklahoma State
University

Karen Bradshaw

Instructor, Business 1985
Bachelor's (B.S.B.A.), Pittsburg State
University
Master's (M.B.A.), Pittsburg State Univer-
sity

Jim J. Bray

Professor, Art 1992
Head, Department of Art
Bachelor's (B.F.A.), Phillips University
Master's (M.F.A.), Tulsa University

Barry E. Brown

Associate Professor, Philosophy 1987
Bachelor's (B.A.), Kalamazoo College
Master's (M.A.), Columbia University
Master's (M.A.), University of Rochester
Doctorate (Ph.D.), University of Rochester

James F. Brown

Associate Professor, English 1984
Bachelor's (B.S.), University of Iowa
Master's (M.A.), University of Iowa
(Education)
Master's (M.A.), University of Iowa (English)
Doctorate (Ph.D.), University of Iowa

Ward H. Bryant

Assistant Professor, Communications 1992
Bachelor's (B.S.J.), University of Kansas
Master's (M.S.), University of Kansas

Alan J. Burch

Assistant Professor, Communications 1996
Bachelor's (B.A.), State University of New
York College of Arts and Science at
Potsdam
Master's (M.A.), Indiana University
Doctorate (Ph.D.), Indiana University

Al Cade

Instructor, 1996
Assistant to the Dean of Education
Bachelor's (B.S.), Northwest Missouri State
University
Master's (M.S.), Northwest Missouri State
University

Linda S. Caldwell

Assistant Professor, Counseling 1994
Director of Counseling
Bachelor's (B.S.), Southeast Missouri State
University
Master's (M.A.), Southeast Missouri State
University
Doctorate (Ph.D.), Southern Illinois
University

Valerie Carlisle

Assistant Professor, Student Center 1985
Coordinator of Student Activities
Bachelor's (B.A.), West Virginia University
Master's (M.Ed.), University of South
Carolina

Douglas M. Carnahan

Associate Professor, Student Services 1978
Dean of Students
Bachelor's (A.B.), Bowling Green State
University
Master's (M.Ed.), University of Georgia
Specialist (Ed.S.), Pittsburg State University
Doctoral Studies, Oklahoma State
University

Albert J. Carnine

Associate Professor, Music 1977
Bachelor's (B.M.E.), Illinois Wesleyan
University
Master's (M.M.E.), Southern Methodist
University
Doctorate (D.M.A.), University of Texas

Patrick Cassens

Professor, Mathematics 1988
Bachelor's (B.S.), Saint Louis University
Master's (M.S.), Saint Louis University
Doctorate (Ph.D.), Saint Louis University
Post Doctoral Studies, Harvard University

Lawrence H. Cebula

Assistant Professor, History 1996
Bachelor's (B.A.), University of Chicago
Master's (M.A.), Eastern Washington
University
Doctoral Candidate, College of William
and Mary

Roger D. Chelf

Associate Professor, Physics 1995
Bachelor's (B.S.), University of Kentucky
Master's (M.S.), University of Kentucky
Doctorate (Ph.D.), Georgia Institute of
Technology

Val A. Christensen

Assistant Professor, Art 1979
Coordinator, Spiva Art Gallery, MSSC
Bachelor's (B.F.A.), University of Ne-
braska, Lincoln
Master's (M.F.A.), Wichita State University

Charles (Bud) L. Clark

Assistant Professor, Music 1989
Choral Director
Bachelor's (B.M.E.), Central Missouri State
University
Master's (M.A.), Central Missouri State
University

Robert L. Clark

Professor, Communications 1984
Bachelor's (B.A.), Brigham Young University
Master's (M.A.), Brigham Young University
Doctorate (Ph.D.), University of Oregon

Samuel L. Claussen

Associate Professor, Theatre 1977
Bachelor's (A.B.), Missouri Southern State
College
Bachelor's (B.A.), Missouri Southern State
College
Master's (M.F.A.), University of Virginia

Kenneth Casey Cole

Assistant Professor, Psychology 1996
Bachelor's (B.A.), Shippensburg State
University of Pennsylvania
Master's (M.A.), Kent State University
Doctorate (Ph.D.), Kent State University

S. Mark Comstock

Assistant Professor, Business 1993
Bachelor's (M.B.A.), Missouri Southern
State College
Doctorate (Ph.D.), University of Oklahoma

C. Martin Conklin

Assistant Professor, Kinesiology 1988
Head Athletic Trainer
Bachelor's (B.S.E.), Missouri Southern
State College
Master's (M.A.), University of Tulsa

Bill Cooke

Assistant Professor, Kinesiology 1988
Assistant Football Coach
Bachelor's (B.A.), Fort Lewis College
Master's (M.A.), Adams State College

Robert L. Corn

Instructor, Kinesiology 1989
Head Men's Basketball Coach
Bachelor's (B.S.E.), Missouri Southern
State College
Master's (M.A.), University of Alabama at
Birmingham

Jimmy C. Couch

Professor, English 1970
Bachelor's (B.A.), Texas Tech University
Master's (M.A.), Texas Tech University
Doctorate (Ph.D.), University of South
Carolina

E. Scott Cragin

Instructor, Business 1989
Bachelor's (B.S.), Rose-Hulman Institute
of Technology
Master's (M.M.), Northwestern University
Doctoral Studies, Oklahoma State
University

Susan L. Craig

Instructor, Counseling 1995
Counselor/Coordinator of College
Orientation
Bachelor's (BSE), Missouri Southern State
College
Master's (M.S.), Southwest Missouri State
University

202 / Faculty

Sabine Cramer

Assistant Professor, Communications 1996
Bachelor's, University of Siegen
Master's (M.A.), University of Houston
Master's (M.A.), Rice University
Doctorate (Ph.D.), The University of Texas at Austin

M. Lisa Crawford

Instructor, Communications 1990
Bachelor's (B.S.), University of Missouri — Columbia
Master's (M.S.), University of Missouri — Columbia
Graduate Study, University of Missouri — Columbia

Charles N. Curtis

Assistant Professor, Mathematics 1992
Bachelor's (B.S.), University of Washington
Master's (M.S.), University of Washington
Doctorate (Ph.D.), University of Washington

Sheila R. Deacon

Assistant Professor, Teacher Education 1996
Bachelor's (B.A.), University of Western Ontario
Master's (M.Ed.), Delta State University
Doctorate (Ph.D.), University of Texas at Austin

C. Clayton Deem

Assistant Professor, Admissions 1991
Admissions Counselor
Bachelor's (B.S.E.), Missouri Southern State College
Master's (M.S.), Pittsburg State University

Elliott A. Denniston

Professor, English 1974
Bachelor's (B.A.), Princeton University
Master's (M.A.), University of Michigan
Doctorate (Ph.D.), University of Michigan

Mary Lou Dove

Assistant Professor, Library 1969
Serials/Reference Librarian
Bachelor's (B.S.), University of Missouri
Master's (M.A.), University of Missouri
Master's (M.S.), Pittsburg State University

Joy S. Dworkin

Associate Professor, English 1991
Bachelor's (B.A.), Reed College
Master's (M.A.), University of Michigan
Master's (M.F.A.), University of Michigan
Doctorate (Ph.D.), University of Michigan

J. Steve Earney

Assistant Professor, Computer Information Science 1981
Asst. Vice President For Information Services
Bachelor's (B.B.A.), University of Arkansas
Master's (M.B.A.), University of Central Arkansas
Certified Data Processor (CDP)

Duane O. Eberhardt

Professor, Business 1986
Bachelor's (B.S.), San Diego State University
Master's (M.A.), University of Southern California
Doctorate (Ph.D.), University of Southern California

Mary S. Elick

Associate Professor, Mathematics 1974
Bachelor's (B.S.E.), Southwest Missouri State University
Master's (M.S.), University of Arkansas
Graduate Study, University of Arkansas

Christine B. Eller

Assistant Professor, Nursing 1981
Bachelor's (B.S.N.), University of Connecticut
Master's (M.S.N.), University of North Carolina

William C. Elliott

Professor, Music 1968
Bachelor's (B.M.E.), Pittsburg State University
Master's (M.M.), Pittsburg State University
Doctoral Studies, University of Northern Colorado

Kenneth G. Evans

Instructor, Kinesiology 1989
Assistant Football Coach
Bachelor's (B.S.), Northeastern Oklahoma State University
Master's (M.S.), University of Oklahoma

Rosa Fagundes

Assistant Professor, Teacher Education 1996
Bachelor's (B.A.), Universidade do Estado do Rio de Janeiro, Brazil
Master's (M.A.), Iowa State University
Doctorate (Ph.D.), Iowa State University

Jay E. Fields

Professor, Theatre 1987
Head, Department of Theatre
Bachelor's (B.A.), West Liberty State College
Master's (M.A.), West Virginia University
Master's (M.A.), Central Michigan University
Doctorate (Ph.D.), Kent State University
Summer Studies, Oxford University, England

Michael D. Fletcher

Assistant Professor, Biology 1994
Bachelor's (B.S.), Southwest Missouri State University
Master's (M.S.), University of Oklahoma

Jon H. Fowler

Professor, Art 1968
Bachelor's (B.A.), Southwest Missouri State University
Master's (M.F.A.), University of Arkansas

James L. Frazier

Associate Professor, Kinesiology 1971
Director of Men's Athletics
Bachelor's (A.B.), University of Wichita
Master's (M.A.), Wichita State University

C. Elaine Freeman

Associate Professor, Special Programs 1980
Director of Special Programs
Bachelor's (A.B.), Pittsburg State University
Master's (M.S.), Pittsburg State University
Specialist (Ed.S.), Pittsburg State University
Doctorate (Ph.D.), University of Tulsa
Summer Studies, Oxford University, England

James A. Geier

Assistant Professor, Sociology 1996
Bachelor's (B.A.), University of California, Riverside (Sociology)
Master's (M.A.), University of California, Riverside
Doctorate (Ph.D.), University of California, Riverside

James E. Gilbert

Associate Professor, Financial Aid 1974
Director of Student Financial Aid
Bachelor's (A.B.), University of Missouri
Master's (M.A.), Southwest Missouri State University
Specialist (Ed.S.), Pittsburg State University

Eillen Godsey

Associate Professor, Learning Center 1984
Director of Learning Center
Bachelor's (B.A.), East Texas State University
Master's (M.S.), East Texas State University
Specialist (Ed.S.), Pittsburg State University
Doctorate (Ed.D.), Oklahoma State University

Larry W. Goode

Professor, Business 1968
Bachelor's (B.S.), Pittsburg State University
Master's (M.S.), Pittsburg State University

James M. Gray

Professor, Business 1969
Dean, School of Business Administration
Bachelor's (B.S.B.A.), Dana College
Master's (M.B.A.), University of Arkansas
Certified Systems Professional (CSP)

Robert H. Green

Instructor, Kinesiology 1993
Assistant Football Coach
Bachelor's (B.S.), Central Oklahoma State University
Master's (M.Ed.), Central Oklahoma State University

George C. Greenlee

Associate Professor, English 1970
Bachelor's (B.A.), Northeast Louisiana State College
Master's (M.A.), Northeast Louisiana State College
Doctoral Studies, North Texas State University

Betsy Q. Griffin

Professor, Psychology 1978
Head, Department of Psychology
Bachelor's (B.A.), East Carolina University
Master's (M.A.), University of South Carolina
Doctorate (Ph.D.), University of South Carolina

Conrad E. Gubera

Professor, Sociology 1967
Bachelor's (B.S.), Pittsburg State University
Master's (M.S.), Pittsburg State University
Doctorate (Ph.D.), Oklahoma State University
Post Doctoral Studies, Columbia University
Fellow with the National Council on US—Arab Relations, Washington, DC
Fellow with East-West Center, University of Hawaii (Honolulu)
Fulbright-Hayes Scholar (Hungary & Poland)

Carolyn M. Hale

Associate Professor, Communications 1996
Bachelor's (B.A.), University of Maryland, European Division, West Germany
Bachelor's (B.A.), Abilene Christian University
Master's (M.A.), University of Oklahoma
Doctorate (Ph.D.), University of Oklahoma

Linda M. Hand

Associate Professor, Mathematics 1988
Bachelor's (B.S.), University of Missouri—Rolla
Master's (M.S.), Central Missouri State University
Doctorate (Ed.D.), Oklahoma State University

Henry L. Harder

Professor, English 1970
Bachelor's (A.B.), Subiaco College
Master's (M.A.), University of Arkansas
Doctorate (Ph.D.), University of Maryland

Dennis R. Harmon

Assistant Professor, Mathematics 1989
Bachelor's (B.S.), University of Oklahoma
Master's (M.A.), University of Oklahoma
Doctorate (Ph.D.), University of Oklahoma

Pete Havelly

Associate Professor, Music 1979
Head, Department of Music & Band
Director
Bachelor's (B.M.E.), University of Central Oklahoma
Master's (M.M.E.), University of Central Oklahoma
Doctoral Studies, Michigan State University

Dennis L. Herr

Assistant Professor, Computer Information Science 1985
Bachelor's (B.S.), Missouri Southern State College
Master's (M.B.A.), Pittsburg State University
Certified Data Processor (CDP)

Garry J. Hess

Assistant Professor, Art 1971
Bachelor's (B.S.), Fort Hays State University
Master's (Ma.A), Pittsburg State University
Graduate Study, Pittsburg State University, East Texas State

Jean M. Hobbs

Instructor, Kinesiology 1991
Wellness Director and Assistant Athletic Trainer
Bachelor's (B.S.), Missouri Southern State College
Master's (M.S.), Baylor University

Janice Holmes

Associate Professor, Education 1984
Bachelor's (B.A.), University of Iowa
Master's (M.A.), University of Iowa
Doctorate (Ed.D.), Drake University

Delores A. Honey

Associate Professor, 1980
Director of Assessment and Institutional Research
Bachelor's (B.S.), Southwest Missouri State University
Master's (M.Ed.), University of Missouri—Columbia
Specialist (Ed.S.), Pittsburg State University
Doctorate (Ph.D.), University of Missouri—Columbia
Summer Studies, Oxford University, England

Michael J. Horvath

Professor, 1995
Dean, School of Education
Bachelor's (A.B.), Indiana University
Master's (M.S.), Indiana University at South Bend
Doctorate (Ph.D.), University of Arizona

Xiao "Sherman" Ming Hou

Assistant Professor, Communications 1996
Bachelor's (B.S.), Shanghai Institute of Foreign Trade
Graduate Diploma from Beijing Foreign Language Institute
Master's (M.A.), University of Hawaii at Manoa
Doctoral Candidate, University of Hawaii at Manoa

Loreen Huffman

Assistant Professor, Psychology 1996
Bachelor's (B.S.), The Pennsylvania State University
Master's (M.S.), Rutgers, The State University of New Jersey
Doctorate (Ph.D.), Rutgers, The State University of New Jersey

Duane L. Hunt

Associate Professor, Theatre 1963
Bachelor's (B.S.), Southwest Missouri State University
Master's (M.A.), University of Arkansas
Graduate Study, University of Arkansas

Gwen E. Hunt

Instructor, Public Information 1976
Director of Public Information
Bachelor's (B.S.), Southwest Missouri State University
Master's (M.A.), University of Arkansas
Graduate Study, University of Colorado

Susan S. Huston

Assistant Professor, Library 1989
Technical Services Librarian
Bachelor's (B.A.), Oberlin College
Master's (M.A.), Western Michigan University
Master's (M.S.L.), Western Michigan University
Specialist (S.A.), Western Michigan University

James R. Jackson

Professor, Biology 1976
Bachelor's (B.S.), Colorado State University
Master's (M.A.), University of Northern Colorado
Doctorate (Ph.D.), Rutgers State University
Visiting Scholar, Wolfson College Oxford University, England

Marilyn J. Jacobs

Associate Professor, Nursing 1974
Bachelor's (B.S.N.), University of Nebraska
Master's (M.S.N.), University of Oklahoma

Anne M. Jaros

Associate Professor, Theatre 1989
Bachelor's (B.F.A.), University of Illinois
Master's (M.F.A.), Northwestern University

Jasbir S. Jaswal

Professor, Business 1977
Bachelor's (B.A.), University of Rajputana, India
Master's (M.A.), University of Rajputana, India
Master's (M.A.), University of Texas, El Paso
Doctorate (Ph.D.), University of Missouri

Bernard A. Johnson

Associate Professor, Business 1974
Bachelor's (B.S.B.A.), Missouri Southern State College
Master's (M.B.A.), Central Missouri State University

Henry S. Jones

Assistant Professor, Music 1996
Bachelor's (B.A.), Yale College
Doctorate (D.M.A.), Louisiana State University

Rebecca Spracklen Kanan

Associate Professor, English 1988
Bachelor's (B.A.), Missouri Southern State College
Master's (M.A.), Mississippi State University
Doctoral Studies, University of Maryland

Tatiana V. Karmanova

Assistant Professor, Communications 1996
Director of the International Language Resource Center
Bachelor's (B.A.), University of Texas — Austin
Master's (M.A.), University of Texas — Austin
Doctoral Candidate, University of Texas — Austin

Larry K. Karst

Associate Professor, Counseling 1968
Counselor
Bachelor's (B.S.), Pittsburg State University
Master's (M.S.), Emporia State University
Specialist (Ed.S.), Pittsburg State University

Nancy S. Karst

Assistant Professor, Dental Hygiene 1975
Bachelor's (B.S.), Pittsburg State University
Master's (M.S.), Pittsburg State University

Bruce K. Kelley

Associate Professor, Computer Information Science 1983
Bachelor's (B.S.), Southwest Missouri State University
Bachelor's (B.S.), Missouri Western State College
Master's (M.A.), Southwest Missouri State University
Certified Data Processor (CDP)
Graduate Study, University of Missouri — Kansas City,

M. Elizabeth Kemm

Assistant Professor, Computer Information Science 1992
Bachelor's (B.A.), Missouri Southern State College
Bachelor's (B.S.), Missouri Southern State College
Doctorate (Ph.D.), University of North Texas

Charles H. Kemp

Professor, Library 1985
Head Librarian
Bachelor's (B.A.), University of Oklahoma
Master's (M.L.S.), University of Oklahoma
Doctoral Studies, University of Washington

Brad A. Kleindl

Assistant Professor, Business 1986
Bachelor's (B.S.B.A.), Southern Illinois University
Master's (M.B.A.), Southern Illinois University
Doctorate (Ph.D.), Oklahoma State University

Patricia P. Kluthe

Associate Professor, 1989
Assistant Director of Honors Program
Bachelor's (B.A.), Missouri Southern State College
Master's (M.A.), University of Minnesota
Doctorate (Ph.D.), The University of Tulsa

John S. Knapp

Associate Professor, Geophysics 1989
Bachelor's (A.B.), University of California Berkeley
Master's (M.S.), University of Washington
Doctorate (Ph.D.), University of Washington
Summer Studies, Oxford University, England

Michael G. Krtek

Instructor, EMT — Paramedic 1995
Bachelor's (B.A.), University of Missouri—Kansas City

William A. Kumbier

Associate Professor, English 1989
Bachelor's (B.A.), Michigan State University
Doctorate (Ph.D.), State University of New York At Buffalo

Virginia J. Laas

Associate Professor, History 1988
Bachelor's (B.A.), Pittsburg State University
Master's (M.A.), Pittsburg State University
Doctorate (Ph.D.), University of Arkansas

Joseph P. Lambert

Professor, English 1970
Director of Writing Program
Bachelor's (A.B.), Mississippi College
Master's (M.A.), Mississippi College
Doctorate (Ph.D.), Auburn University

Richard E. La Near

Professor, Business 1987
Holder of J.R. Kuhn Chair in Finance
Bachelor's (B.S.), Pittsburg State University
Master's (M.B.A.), Memphis State University
Doctorate (Ph.D.), University of Mississippi

Jon R. Lantz

Instructor, Kinesiology 1988
Head Football Coach
Bachelor's (B.S.), Panhandle State University
Master's (M.Ed.), Central Oklahoma State University

Marvin L. Larson

Assistant Professor, Business 1990
Bachelor's (B.S.), University of Missouri —
Rolla
Master's (M.A.), University of Missouri —
St. Louis

Michael A. Lawson

Assistant Professor, Biology 1991
Bachelor's (B.S.E.), Missouri Southern
State College
Master's (M.S.), Pittsburg State University

Julio S. Leon

Professor, Business 1969
President
Bachelor's (A.B.), Universidad Tecnica
(Chile)
Master's (M.B.A.), North Texas State
University
Doctorate (Ph.D.), University of Arkansas

Ralph G. Leverett

Associate Professor, Education 1995
Bachelor's (B.S.), Middle Tennessee State
College
Master's (M.A.), George Peabody College
for Teachers
Master's (M.S.), Vanderbilt University
Doctorate (Ph.D.), Vanderbilt University

Patsy K. Lipira

Associate Professor, Kinesiology 1981
Women's Softball Coach
Bachelor's (B.S.E.), Northwest Missouri
State University
Master's (M.S.), Kansas State University
Doctorate (Ed.D.), University of Arkansas

Kexi Liu

Assistant Professor, Music 1991
Master's (M.M.), East Carolina University
Doctorate (D.M.A.), University of North
Carolina

William R. Livingston

Associate Professor, Mathematics 1968
Bachelor's (B.S.), Pittsburg State University
Master's (M.S.), University of Illinois
Graduate Study, Southern Methodist
University, Clemson

David A. Locher

Assistant Professor, Sociology 1996
Bachelor's (B.G.S.), Kent State University
Master's (M.A.), Kent State University
Doctorate (Ph.D.), Kent State University

Terry D. Marion

Professor, Business 1976
International Trade and Quality Center
Bachelor's (B.S.), Southwest Missouri State
University
Master's (M.S.), Pittsburg State University
Specialist (Ed.S.), Pittsburg State University
A.B.D., University of Arkansas

Robert P. Markman

Associate Professor, History 1967
Bachelor's (B.S.), Monmouth College
Master's (M.A.), University of Oklahoma
Doctorate (Ph.D.), University of Oklahoma

Ann M. Marlowe

Professor, English 1971
Bachelor's (B.A.), St. Francis College
Master's (M.A.), University of Dayton
Doctorate (Ph.D.), University of New
Mexico
Post Doctoral Studies, Dartmouth College,
Yale University,

J. Larry Martin

Professor, Mathematics 1965
Dean, School of Arts and Sciences
Bachelor's (B.S.), University of Tulsa
Master's (M.S.), University of Tulsa
Doctorate (Ed.D.), University of Georgia

Richard W. Massa

Professor, Communications 1972
Head, Department of Communications
Director, Institute of International Studies
Bachelor's (B.J.), Univ. of Missouri —
School of Journalism
Master's (M.A.), Univ. of Missouri —
School of Journalism
Graduate Study, University of Arkansas,
University of Missouri

Lyle F. Mays

Associate Professor, Computer Information
Science 1981
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), University of Washington
Doctoral Studies, University of Washington

David H. McConnell

Associate Professor, Education 1991
Bachelor's (B.A.), Northern Michigan
University
Master's (M.Div.), Asbury Theological
Seminary
Doctorate (Ph.D.), Indiana University

Robert D. McDermid

Assistant Professor, Psychology 1990
Bachelor's (B.S.), Graceland College
Master's (M.S.Ed.), University of Kansas
Doctorate (Ph.D.), University of Kansas

Jeanne McGonigle

Assistant Professor, Nursing 1996
Bachelor's (B.S.N.), University of California
— San Francisco
Master's (M.S.N.), University of California
— San Francisco
C.S., Advanced Practice Certification,
Clinical Specialist, Medical-Surgical
Nursing

Robert L. Meeks

Assistant Professor, Music 1986
Bachelor's (B.M.E.), Arkansas State
University
Master's (M.M.E.), Arkansas State University

Allen H. Merriam

Professor, Communications 1982
Bachelor's (B.A.), Drew University
Master's (M.A.), Ohio University
Doctorate (Ph.D.), Ohio University

John P. Messick

Professor, Biology 1984
Head, Department of Biology
Bachelor's (B.S.), Southwest Missouri State
University
Master's (M.S.), University of Idaho
Doctorate (Ph.D.), University of Idaho

Richard B. Miller

Professor, Sociology 1985
Head, Department of Social Science
Bachelor's (B.A.), Henderson State
University
Master's (M.A.), Memphis State University
Doctorate (Ph.D.), Oklahoma State
University

Robert J. Miller

Professor, Business 1968
Bachelor's (B.S.), Central Missouri State
University
Master's (M.A.), Central Missouri State
University
Graduate Study, University of Arkansas,
Purdue

Jay Rieley Moorman

Associate Professor, Communications 1991
Assistant to the Department Head,
Department of Communications
Assistant to the Director of the Institute of
International Studies
Bachelor's (B.A.), Southern Illinois
University — Carbondale
Master's (M.A.), Southern Illinois University
— Carbondale
Doctorate (Ph.D.), Southern Illinois
University — Carbondale

Henry G. Morgan

Professor, English 1971
Bachelor's (A.B.), University of Southern
Mississippi
Master's (M.A.), University of Southern
Mississippi
Doctorate (Ph.D.), University of Colorado

Melvyn W. Mosher

Professor, Chemistry 1974
Bachelor's (B.A.), University of Washington
Master's (M.S.), University of Idaho
Doctorate (Ph.D.), University of Idaho
Post Doctoral Studies, University of
Alberta, Edmonton

Gary R. Mulkey

Assistant Professor, Mathematics 1977
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), University of Arkansas
Doctorate (Ph.D.), University of Arkansas

Gwendolyn K. Murdock

Professor, Psychology 1985
Bachelor's (B.A.), University of Colorado
Master's (M.A.), University of Colorado
Doctorate (Ph.D.), Georgia Institute of
Technology

J. Dirk Nelson

Associate Professor, Kinesiology 1989
Head, Department of Kinesiology
Bachelor's (B.S.), Montana State University
Master's (M.S.Ed.), University of Kansas
Doctorate (Ph.D.), University of Kansas

Susan M. Neufeld

Assistant Professor, Education 1995
Bachelor's (B.A.), California State University,
Fresno
Master's (M.A.), California State University,
Fresno
ABD (Ed.D.), University of Southern
California

David W. Noblett

Associate Professor, Art 1989
Bachelor's (B.F.A.), Minneapolis College
of Art and Design
Master's (M.F.A.), Indiana University

Charles E. Nodler

Associate Professor, Library 1978
Archivist/Reference Librarian
Bachelor's (A.B.), Missouri Southern State
College
Master's (M.A.), University of Texas At
Arlington
Certificate of Archival Administration
(CAA)

Jack L. Oakes

Associate Professor, Computer Information
Science 1983
Head, Department of Computer Informa-
tion Science
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), University of Wisconsin
Doctorate (Ph.D.), University of Missouri
— Rolla

Max D. Oldham

Associate Professor, Kinesiology 1973
Bachelor's (B.S.E.), Southwest Missouri
State University
Master's (M.S.), Pittsburg State University
Doctorate (Ed.D.), Oklahoma State
University

Danny C. Overdeer

Associate Professor, Education 1990
Bachelor's (B.S.), Oklahoma State
University
Master's (M.S.), Oklahoma State University
Doctorate (Ed.D.), Oklahoma State
University

Dale W. Owen

Instructor, Criminal Justice 1994
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), Central Missouri State
University

William H. Paapanen

Professor, Business 1976
Bachelor's (A.B.), University of Oklahoma
Master's (M.Acct.), University of Oklahoma
Certified Public Accountant (CPA)

Roger D. Paige

Professor, Psychology 1976
Bachelor's (B.A.), University of Missouri
Master's (M.A.), University of Missouri
Doctorate (Ph.D.), University of Missouri

E. Gaye Pate

Assistant Professor, Library 1985
Circulation Librarian
Bachelor's (B.A.), Newcomb College,
Tulane University
Master's (M.A.), University of Iowa

Russell A. Phillips

Professor, Physics 1970
Bachelor's (B.S.), Iowa State University
Doctorate (Ph.D.), Iowa State University

Cameron Pulliam

Associate Professor, Education 1990
Director of Clinical Experiences and
Student Teaching
Bachelor's (B.A.), Grand Canyon University
Master's (M.S.), University of Missouri —
Columbia
Doctorate (Ed.D.), University of Missouri
— Columbia

Deborah J. Pulliam

Assistant Professor, Education 1994
Bachelor's (B.S.), Southwest Missouri State
University
Master's (M.S.), University of Missouri—
Columbia
Doctorate (Ph.D.), University of Mis-
souri—Columbia

Richard B. Rawlins

Assistant Professor, Business 1988
Bachelor's (B.S. Ag Econ), University of
Missouri — Columbia
Master's (M.S. Ag Econ), University of
Missouri — Columbia
Doctoral Studies, University of Arkansas

Wendell C. Richards

Assistant Professor, Criminal Justice 1978
Bachelor's (B.S.), Central Missouri State
University
Master's (M.S.), Central Missouri State
University

Stephen J. Roark

Associate Professor, Business 1992
Bachelor's (B.S.B.A.), University of Tulsa
Master's (M.S. Acct.), University of Tulsa
Doctorate (Ph.D.), Arizona State University
Certified Public Accountant (CPA)

Michael T. Rodgers

Assistant Professor, English 1987
Bachelor's (B.A.), Central State University,
Ohio
Master's (M.A.), Pittsburg State University
Doctoral Studies, University of Tulsa

Elizabeth J. Rozell

Associate Professor, Business 1992
Bachelor's (B.S.), Southwest Missouri State University
Master's (M.S.), Southwest Missouri State University
Doctorate (Ph.D.), University of Mississippi

Lynne K. Rusley

Assistant Professor, Business 1984
Bachelor's (B.A.), University of Northern Iowa
Master's (M.A.), University of Northern Iowa
Graduate Studies, University of Northern Iowa, Laverne

Tom Rutledge

Instructor, Kinesiology 1988
Head Men's Cross Country Track and Field Coach
Bachelor's (B.S.E.), Ouachita Baptist University
Master's (M.Ed.), Henderson State University

Sara L. Sale

Associate Professor, History 1989
Bachelor's (B.A.), Missouri Southern State College
Master's (M.A.), Central Missouri State University
Doctorate (Ph.D.), Oklahoma State University

Arthur M. Saltzman

Professor, English 1981
Bachelor's (A.B.), University of Illinois
Master's (A.M.), University of Illinois
Doctorate (Ph.D.), University of Illinois

Cristóbal M. Sartori

Assistant Professor, Communications 1996
Bachelor's (B.A.), Washington University — St. Louis
Master's (M.A.), University of Nebraska — Lincoln
Doctorate (Ph.D.), University of Nebraska — Lincoln

Daniel W. Scheible

Instructor, Kinesiology 1989
Assistant Football Coach
Bachelor's (B.S.), Northwest Missouri State University
Master's (M.S.), Northwest Missouri State University

Gerald T. Schlink

Associate Professor, Biology 1989
Bachelor's (B.A.), University of Missouri
Master's (M.S.), University of Missouri
Doctorate (Ph.D.), University of Missouri
Post Doctoral, University of Missouri

Jane Anderson Scholl

Assistant Professor, Education 1995
Bachelor's (B.A.), University of Mississippi
Master's (M.Ed.), University of Mississippi
Doctorate (Ph.D.), University of Southern Mississippi

Karl J. Schmidt

Assistant Professor, History 1994
Bachelor's (B.A.), University of South Florida
Master's (M.A.), Florida State University
Doctorate (Ph.D.), Florida State University

Donald J. Schultz

Instructor, Computer Assisted Manufacturing Technology 1994
Bachelor's (B.A.I.S.), Columbia College

Jill B. Schultz

Instructor, Business 1996
Bachelor's (B.S.B.A.), Missouri Southern State College
Master's (M.B.A.), University of Minnesota

Rodolfo C. Schweizer

Assistant Professor, Communications 1993
Bachelor's (B.S.), Universidad Nacional De Cordoba, Argentina
Master's (M.A.), Mississippi State University
Doctorate (Ph.D.), Temple University

C. Robert Schwieger

Professor, Art 1990
Bachelor's (B.F.A.), Chadron State College
Master's (M.A.), University of Northern Colorado
Master's (M.F.A.), University of Denver

Sandra A. Scorse DeTar

Associate Professor, Dental Hygiene 1985
Head, Department of Dental Hygiene
Bachelor's (B.S.), Missouri Southern State College
Doctorate (D.D.S.), University of Missouri — Kansas City

Trina J. Scott

Assistant Professor, Criminal Justice 1994
Bachelor's (B.A.), Indiana University
Law Degree (J.D.), University of Missouri—Columbia

James H. Shaver

Professor, Business 1989
Bachelor's (B.S.), University of Arkansas — Little Rock
Master's (M.B.A.), Louisiana Tech University
Doctorate (D.B.A.), Louisiana Tech University
Certified Public Accountant (CPA)

Evalina Shippee

Associate Professor, Nursing 1987
Bachelor's (B.S.N.), University of Missouri
Master's (M.S.N.), University of Missouri
Gerontological Nurse Practitioner (GNP)

N. Ree Simpkins

Assistant Professor, Sociology 1993
Bachelor's (B.S.), Louisiana State University
Master's (M.A.), Louisiana State University
Doctorate (Ph.D.), Louisiana State University

Dale W. Simpson

Professor, English 1979
Bachelor's (B.A.), Harding University
Master's (M.A.), University of North Texas
Doctorate (Ph.D.), University of North Texas

Thomas W. Simpson

Assistant Professor, Political Science 1990
Bachelor's (B.A.), Chapman College
Master's (M.A.), University of Northern Colorado
Post Graduate Studies, University of Alabama

Anita B. Singleton

Associate Professor, Nursing 1988
Bachelor's (B.S.N.), University of Kansas
Master's (M.S.), University of Arizona
Specialist (Ed.S.), Pittsburg State University
Post Master's, Family Nurse Practitioner, University of Missouri—Kansas City

Binita Sinha

Assistant Professor, Geography 1996
Bachelor's (B.A.), Patna University, India
Master's (M.A.), Patna University, India
Doctorate (Ph.D.), Patna University, India
Doctoral Candidate, University of Oklahoma

Marion E. Sloan

Associate Professor, Physics 1967
Bachelor's (B.A.), Pittsburg State University
Master's (M.S.), Pittsburg State University
Graduate Study, Pittsburg State University; University of Missouri, Columbia; University of Missouri, Rolla

David M. Smith

Assistant Professor, Business 1995
Bachelor's (B.S.), University of Illinois at
Urbana-Champaign
Master's (M.A.S.), University of Illinois at
Urbana-Champaign
Doctorate (Ph.D.), University of North
Texas

Nancy L. Smith

Professor, Education 1991
Head, Department of Teacher Education
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.S.), Southwest Missouri State
University
Doctorate (Ed.D.), University of Arkansas

Susan K. Smith

Assistant Professor, Music 1996
Bachelor's (B.M.), University of Wisconsin—
Eau Claire
Master's (M.M.), University of Northern
Colorado
Doctorate (D.A.), University of Northern
Colorado

Stephen J. Spector

Professor, English 1992
Head, Department of English
Bachelor's (B.A.), Johns Hopkins University
Master's (M.A.), New York University
Doctorate (Ph.D.), University of
Pennsylvania

Richard E. Spencer

Instructor, Criminal Justice 1995
Bachelor's (B.S.), Missouri Southern State
College
Graduate Study, Central Missouri State
University

Vikki J. Spencer

Associate Professor, Education 1989
Bachelor's (B.S.E.), University of Missouri
Master's (M.S.), Pittsburg State University
Doctorate (Ph.D.), University of Kansas

Jack G. Spurlin

Professor, Technology 1975
Dean, School of Technology
Bachelor's (B.S.), Northeast Missouri State
University
Master's (M.S.), Central Missouri State
University
Specialist (Ed.S.), Pittsburg State University
Doctorate (Ed.D.), Oklahoma State
University

Annetta E. St. Clair

Associate Professor, Political Science 1964
Bachelor's (A.B.), Pittsburg State University
Master's (M.A.), Pittsburg State University
Master's (M.S.), Pittsburg State University

Chad D. Stebbins

Associate Professor, Communications
1984
Bachelor's (B.S.), Missouri Southern State
College
Master's (M.A.), Central Missouri State
University
Doctorate (Ph.D.), Bowling Green State
University

Wayne E. Stebbins

Associate Professor, Biology 1969
Bachelor's (B.S.), Emporia State University
Master's (M.S.), Emporia State University
Graduate Study, Texas A & M University,
Oregon State

William R. Stevens

Associate Professor, Business 1988
Bachelor's (B.S.E.), Missouri Southern
State College
Master's (M.Ed.), Central Missouri State
University
Doctorate (Ph.D.), University of Arkansas

Tia Marie Strait

Assistant Professor, Dental Hygiene 1991
Associate's (A.S.), Missouri Southern State
College
Bachelor's (B.G.S.), Missouri Southern
State College
Master's (M.S.), Pittsburg State University

John H. Summerfield

Assistant Professor, Chemistry 1995
Bachelor's (B.S. — General Studies),
Portland State University
Bachelor's (B.S. — Chemistry), The
Evergreen State College
Doctorate (Ph.D.), Oregon State University

Pedro L. Talavera-Ibarra

Assistant Professor, Communications 1995
Bachelor's (B.A.), University of the
Peoples' Friendship; Moscow, Russia
Master's (M.A.), University of the Peoples'
Friendship; Moscow, Russia
Master's (M.A.), University of Texas at Austin
Doctoral Studies, University of Texas at
Austin

William Z. Tannenbaum

Assistant Professor, History 1991
Bachelor's (B.A.), University of California
— Davis
Master's (M.A.), University of California
— Davis
Master's (M.A.), Stanford University
Doctorate (Ph.D.), Stanford University
Post Graduate Studies, University of
Munich, Hebrew University, Tel Aviv
University

Robert R. Terry

Assistant Professor, Criminal Justice 1974
Head, Department of Criminal Justice
Bachelor's (B.S.), Northeast Missouri State
University
Master's (M.S.), Pittsburg State University
Graduate Study, Pittsburg State University

Paul Teverow

Professor, History 1982
Bachelor's (B.A.), Case Western Reserve
University
Master's (M.A.), Ohio State University
Doctorate (Ph.D.), Ohio State University
Summer Studies, Oxford University,
England

Charles C. Thelen

Professor, Music 1973
Bachelor's (B.A.), Occidental College
Master's (M.A.), University of Northern
Colorado
Doctorate (Ed.D.), University of Northern
Colorado

Tran Van Thuong

Associate Professor, Mathematics 1987
Bachelor's (B.A.), Washburn University
Master's (M.A.), University of Kansas
Doctorate (Ph.D.), University of Utah

John W. Tiede

Professor, Business 1968
Senior Vice President
Bachelor's (B.S.), Southwest Missouri State
University
Master's (M.B.A.), University of Arkansas
Law Degree (Juris Doctorate), University
of Missouri
Post Doctoral Studies, Harvard University

David L. Tillman

Associate Professor, Biology 1975
Bachelor's (B.S.), Brigham Young University
Master's (M.S.), Brigham Young University

Debra Traywick

Assistant Professor, Kinesiology 1988
Women's Volleyball Coach
Bachelor's (B.S.E.), Southern Nazarene University
Master's (M.Ed.), Central State University

L. Hartford Tunnell

Assistant Professor, Computer Information Science 1985
Bachelor's (B.A.), Texas A & M University
Master's (M.Ed.), Southwest Texas State College
Certified Data Processor (CDP)
Certified Systems Professional (CSP)
Graduate Study, Incarnate Work College, St. Mary's University

Warren F. Turner

Associate Professor, Kinesiology 1976
Head Baseball Coach
Bachelor's (B.S.E.), Pittsburg State University
Master's (M.S.), Pittsburg State University

Patricia D. Vavra

Instructor, Kinesiology 1994
Head Women's Cross Country/Track and Field Coach
Bachelor's (B.S.), Missouri Southern State College
Master's (M.S.), Pittsburg State University

Juan L. Vazquez

Associate Professor, Mathematics 1992
Head, Department of Mathematics
Bachelor's (B.A.), University of Puerto Rico
Master's (M.Ed.), University of Illinois
Doctorate (Ph.D.), University of Florida

T. A. Vernon

Assistant Professor, Business 1988
Bachelor's (B.S.), University of Tennessee — Knoxville
Master's (M.B.A.), University of Mississippi
Doctorate (D.B.A.), Louisiana Tech University

Doreen E. Vieitez

Assistant Professor, Education 1993
Bachelor's (B.S.), Ball State University
Master's (M.A.), Ball State University
Doctorate (Ed.D.), Ball State University

Doris A. Walters

Professor, English 1979
Bachelor's (B.S.E.), Pittsburg State University
Master's (M.A.), Pittsburg State University
Doctorate (Ph.D.), University of Arkansas

Helen N. Weaver

Instructor, Mathematics 1989
Bachelor's (B.S.), Baker University
Master's (M.A.), University of Kansas — Lawrence

Maryann Weber

Associate Professor, Communications 1993
Bachelor's (B.A.), Notre Dame College
Master's (M.A. — French), Middlebury College
Master's (M.A. — Spanish), Middlebury College
Doctorate (D.M.L.), Middlebury College
Advanced Study, Universite De Paris

Scott J. Wells

Assistant Professor, Biology 1993
Doctorate (D.V.M.), University of Missouri

Rhonda L. White

Assistant Professor, Dental Hygiene 1987
Bachelor's (B.S.), University of Missouri — Kansas City

Philip R. Whittle

Professor, Chemistry 1970
Director of Regional Crime Laboratory
Bachelor's (B.S.), University of Kentucky
Doctorate (Ph.D.), Iowa State University
Post-Doctoral Fellow, University of Colorado

Jimmie L. Williams

Professor, Criminal Justice 1976
Bachelor's (B.S.), Missouri Southern State College
Master's (M.S.), Central Missouri
Specialist (Ed.S.), Pittsburg State University
Doctorate (Ph.D.), Oklahoma State University

R. Jerry Williams

Assistant Professor, Continuing Education 1986
Director of Continuing Education
Bachelor's (B.S.), University of Nebraska
Master's (M.A.), Bowling Green State University
Doctorate (Ed.D.), Oklahoma State University

Kelly Wilson

Instructor, Counseling 1986
Counselor
Bachelor's (B.A.), Missouri Southern State College
Master's (M.S.), Pittsburg State University

R. Michael Wilson

Instructor, Kinesiology 1989
Assistant Men's Basketball Coach
Bachelor's (B.S.), Northwest Missouri State University
Master's (M.S.), Northwest Missouri State University

Phillip C. Wise

Assistant Professor, Music 1995
Bachelor's (B.A.), William Penn College
Master's (M.A.), California State University, Dominguez Hills
Doctorate (Ph.D.), The Union Institute

C. Blake Wolf

Associate Professor, Criminal Justice 1990
Bachelor's (B.S.), Missouri Southern State College
Law Degree (Juris Doctorate), University of Arkansas

Carolyn Wolfe

Instructor, Mathematics 1993
Bachelor's (B.S.E.), Pittsburg State University
Master's (M.S.), Pittsburg State University

Edward W. Wuch

Associate Professor, Library 1969
Audio-Visual & Government Documents Librarian
Bachelor's (B.S.), University of Missouri
Master's (M.Ed.), University of Missouri
Doctoral Studies, Arizona State University

Michael L. Yates

Associate Professor, Political Science 1980
Bachelor's (B.A.), Southern Illinois University
Master's (M.Ed.), Southern Illinois University
Law Degree (Juris Doctorate), University of Missouri
Summer Studies, Oxford University, England

Karolyn L. Yocum

Professor, Communications 1986
Bachelor's (B.S.E.), Kansas State College
Master's (M.S.), Kansas State College
Specialist (Ed.S.), Central Missouri State University
Doctorate (Ph.D.), Ohio State University

Donald R. Youst

Assistant Professor, Political Science 1971
Bachelor's (B.A.), Kansas State Teachers College — Emporia
Master's (M.S.), Kansas State Teachers College — Emporia
Doctorate (Ph.D.), University of Nebraska

210 / *Faculty*

Melissa Anne Zenon

Instructor, Learning Center 1995

Bachelor's (B.S.), SUNY College at Buffalo

Master's (M.S.Ed.), University of Kentucky

Emeritus Faculty

Enid Blevins

English 1966

Loretta Frazier

Head Librarian 1948

Cleetis Headlee

English 1946

Julie S. Hughes

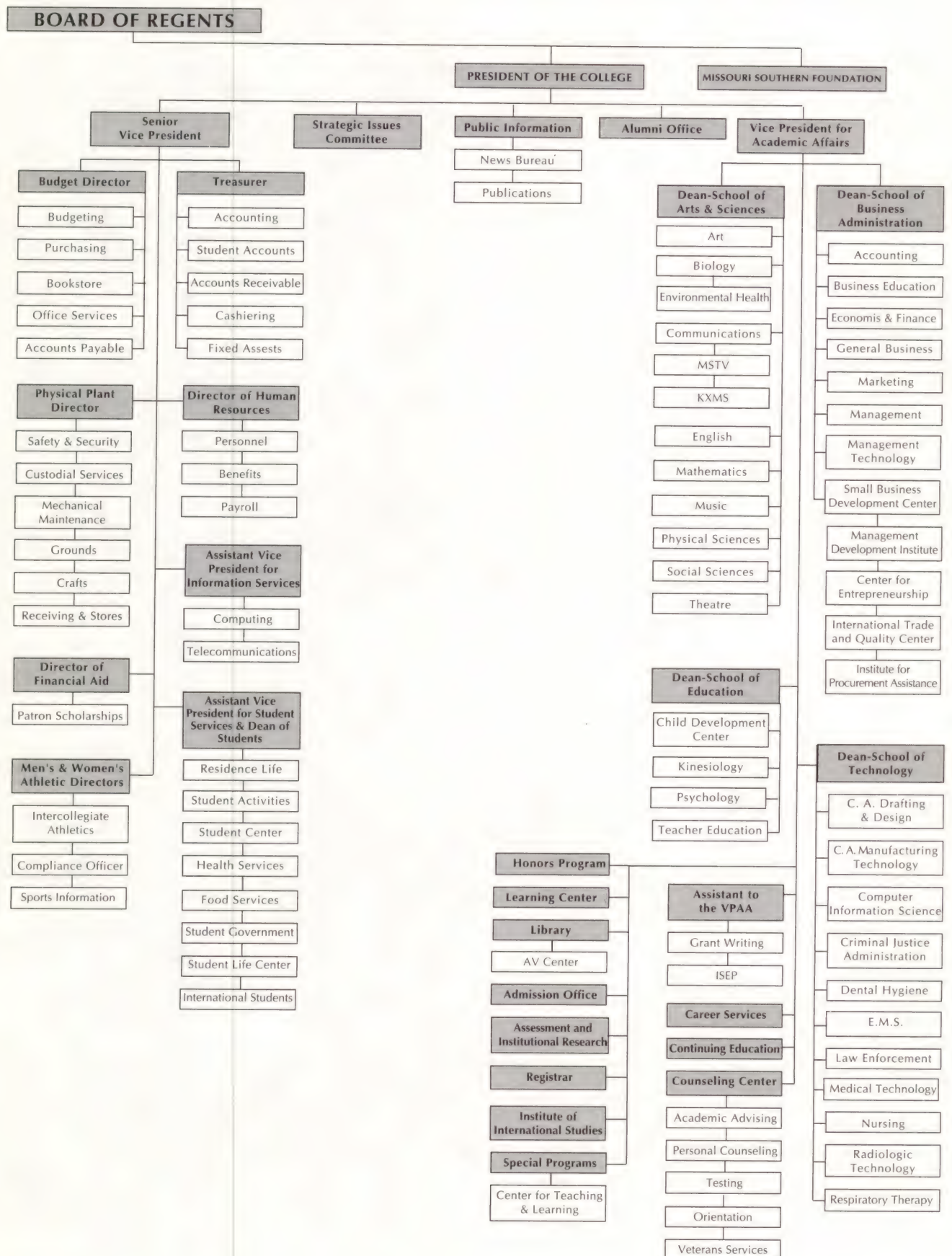
History 1963

Grace C. Mitchell

English 1958

Dorothy A. Stone

Business Administration 1939



212 / Index

Academic Affairs.....	34	Degrees and Majors.....	138
Academic Standards.....	50	Teacher Education.....	146
Accounting.....	124	Engineering (see Pre-engineering).....	107, 188
Accreditation.....	198	English.....	74
Adding Courses.....	48	Entrepreneurship.....	129
Administrative Staff.....	199	Environmental Health Technology.....	78
Admission.....	39	Faculty.....	200
Credentials.....	40	Fees.....	11
Special.....	41	Financial Aid.....	20
Advanced Placement.....	42	Application.....	20
Advanced Standing.....	42	Standards.....	24
Anthropology Courses.....	114	Eligibility.....	24
Art Department.....	54	Appeal Procedures.....	24
Arts and Sciences, School of.....	54	Responsibilities.....	25
Degrees and Majors.....	54	Food Service.....	28
Associate Degrees.....	45	Foreign Languages.....	81
Assessment of Outcomes.....	8	General Business.....	130
Audio-Visual Center.....	35	General Regulations.....	47
Aviation.....	163	Geography.....	88
Baccalaureate Degrees.....	43	Geology.....	89
Biology.....	59	Grading System.....	49
Biology Education.....	59	Graduation.....	43
Business Administration, School of.....	122	Degree Application.....	43
Degrees and Majors.....	122	Commencement Requirements.....	47
Core Requirements.....	123	Honors.....	50
Business Education.....	127	Grant Writing.....	38
Business and Economic Review.....	123	Graphic Communications.....	56
CLEP Test.....	42	Health Services.....	29
Calendar.....	14	High School Core.....	39
Campus Activities Board.....	27	History of the College.....	198
Campus Map.....	16	History.....	89
Career Services.....	27	Honor Roll.....	51
Catalog Time Limit.....	52	Honors Program.....	35
Chemistry.....	64	Identification Cards.....	31
Class Attendance.....	48	Independent Study.....	50
Classification.....	47	Institute of International Studies.....	194
College History.....	198	Intercollegiate Athletics.....	29
Communications.....	67	Interdisciplinary Studies.....	196
Computer Aided Drafting and Design (CADD).....	163	International Baccalaureate.....	42
Computer Assisted Manufacturing Technology.....	165	Internation Student Exchange.....	38
Computer Literacy.....	44	International Students.....	38, 40
Computer Science.....	168	Kinesiology.....	138
Computer Information Science.....	168	Late Enrollment.....	48
Concurrent Enrollment.....	47	Law Enforcement.....	181
Continuing Education.....	25, 37	Learning Center.....	34
Core Curriculum (College).....	6, 43	Library (George A. Spiva).....	32
Core Curriculum (High School).....	39	Manufacturing Information	
Correspondence Directory.....	17	Management Systems (MIMS).....	133, 167
Counseling.....	25	Manufacturing Technology	
Course Numbers.....	51	(see Computer Assisted Manufacturing Technology).....	165
Credit Hour Load.....	48	Management Development Institute.....	123
Credit-in-Escrow.....	38	Management.....	131
Criminal Justice Administration.....	176	Management Technology (MIMS Emphasis).....	133
Degree Requirements		Map.....	16
Baccalaureate.....	43	Marketing.....	134
CORE.....	44	Mathematics.....	94
Associate.....	45	Medical Technology.....	183
Special.....	46	Memberships, Institutional.....	198
Dental Hygiene.....	179	Mission Statement.....	4
Directory.....	17	Music.....	98
Drafting/Design (see Computer Aided Drafting/Design).....	163	Non-Traditional Student Program.....	26
Dropping Courses.....	48	Nursing-Baccalaureate Degree.....	184
Drug/Alcohol Prevention.....	29	Admissions.....	40
Dual Credit.....	40	Nursing-RN to BSN.....	185
Economics and Finance.....	128	Organizational Chart.....	211
Education, School of.....	138	Orientation.....	26

Oxford University Summer Study	36	Second Degree	48
Paralegal Studies	105	Security Policies	30
Paramedic Program	187	Small Business Development Center	123
Philosophy	106	Social Science	112
Physical Education Requirements	46	Sociology	112
Physics	107	Spiva Library	34
Placement Office (See Career Services)	27	Standards of Progress	51
Placement Tests	40	State Legislative Requirements	47
Political Science	109	Student Activities	27
Pre-engineering	107, 188	Student Conduct	29
Predentistry	61	Student Government	27
Premedicine	61	Student Life Center	28
Preoptometry	61	Student Media	67
Prepharmacy	61	Student Services	20
Preprofessional	111, 189	Study Abroad	38
Preveterinary	61	Suspension	51
Probation	51	Teacher Education	146
Psychology	143	Technology, School of	162
Radiologic Technology	189	Degrees and Majors	162
Refund Policy	13	Testing Services	26
Regents	198	Theatre	116
Reinstatement	51	Transcripts	40, 50
Remedial Developmental Courses	50	Transfer Credit	39
Repetition of Courses	51	Trustees	298
Residence Halls	28	Veterans	26, 52
Respiratory Therapy	190	Withdrawal from College	48
		Writing Program	38, 44

Equal Opportunity

Missouri Southern State College does not discriminate on the basis of disability, race, color, religion, national origin, sex or age in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its programs and activities, as specified by federal laws and regulations. The Director of Personnel is the designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and the Age Discrimination Act of 1967.

Disability Access

Missouri Southern State College reschedules and relocates classes to ensure accessibility under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If any person has a special need, please contact the Director of the Learning Center who, in conjunction with the office of the Vice President for Academic Affairs, will reschedule or relocate the class to provide accessibility or provide other assistance as required by law. Information concerning accessible facilities is available from the Director of the Learning Center.

Family Educational Rights and Privacy

The College may disclose personally identifiable information from an educational record of a student without consent in following situations:

1. The disclosure is directory information which includes name, address, telephone listing, date and place of birth, major, participation in activities and sports, dates of attendance, degrees and awards received and most recent previous institution attended.
2. The disclosure is to school officials, including teachers, who have a legitimate education interest.
3. The disclosure is to parents of a dependent student as defined in the Internal Revenue Code.
4. The disclosure is in connection with a health or safety emergency.
5. Other situations listed in 34CFR 99.31.

Policy Changes

The College reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the College. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Honors Program Application

Miss
Ms.
Mrs.
Mr.
Name _____
Last First Initial

Social Security No: _____ - _____ - _____ Telephone No: (____) _____

Address: _____
Street City State Zip

Highest ACT Composite Score: _____

Test Date: _____

Have you been admitted to MSSC? Yes ☐ No ☐

If not, please apply at once.

Have you applied for financial aid? Yes ☐ No ☐

If not, please consider doing so.

High School: _____ GPA: _____

Year of Graduation: _____ Class Standing: ____/____

Intended Major: _____

Check below if one applies.

- ☐ National Merit Finalist
☐ National Merit Semi-Finalist
☐ National Merit Letter of Commendation

Please list awards, extracurricular activities, and interests below. Attach a separate sheet if necessary.

For already enrolled or transfer student

College or University Attended: _____

Hours Completed: _____ GPA: _____

Quarter System _____

Semester System _____

Please list the names of the two people you plan to ask for references.

Name Title

Name Title

For Office Use Only
Action taken:

Signature

Date

INSTRUCTIONS

REQUIREMENTS

For entering freshmen, an Enhanced ACT composite score of 28 or above or a GPA of at least 3.5 (on a 4-point scale) is required for eligibility to apply for admission to the Honors Program.

Students who have completed at least 15 but fewer than 30 hours of coursework with a least a 3.5 GPA either at MSSC or at another accredited college or university are eligible to apply for admission to the Honors Program.

APPLICATIONS PROCEDURES

Incoming Freshman

- * A completed **APPLICATION FORM** must be filed.
- * Please request that an official high school **TRANSCRIPT** be sent directly to the Honors Program.
- * Your **ACT RESULTS** must be on record, either separately or on your transcript.
- * Arrange to have two **LETTERS OF RECOMMENDATION** sent directly to the Honors Program, one from high school principal and one from one of your high school teachers. Additional letters are also invited.
- * You need to arrange for an **INTERVIEW**.
- * You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

Already Enrolled or Transfer Student

- * A completed **APPLICATION FORM** must be filed.
- * Please request that an official college **TRANSCRIPT** be sent directly to the Honors Program.
- * Your **ACT RESULTS** must be on record, either separately or on your transcript.
- * Arrange to have two **LETTERS OR RECOMMENDATION** from you college instructors sent directly to the Honors Program. Additional letters are also invited.
- * You will need to arrange for an **INTERVIEW**.
- * You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

For consideration for entrance into the program in the fall semester, application materials, including the interview must be complete by March 1; for the spring semester all materials should be received by November 15.

Send all application materials to:

Missouri Southern State College
Honors Program Director
3950 E. Newman Rd.
Joplin, MO 64801-1595
Telephone: In Joplin 1-417-625-9300 or 625-3005
Toll-Free: 1-800-606-MSSC (6772)

*Missouri Southern State College is an equal opportunity and affirmative action institution.
The college reserves the right to amend regulations when necessary.*

Patron's Scholarship Application

Please complete application on *both* sides

Missouri Southern State College

Scholarship Room 117

3950 E. Newman Road

Joplin, Missouri 64801-1595

(417) 625-3161

Office Use

Need _____ Code _____ GPA _____

Scholarship _____

Donor _____

Address _____

Note: By filing this form you will be considered for any one of 200 Patron Scholarships available through the Missouri Southern State College Scholarship program.

- How to apply:**
1. Must apply or have applied for admission .
 2. Transfer students must have transcripts on file with Registrar's Office.
 3. **Type** or **Print** application.

Name _____
First Middle Last Maiden

Social Security Number _____ Phone _____

Address _____
Number of Street City State Zip County

Male _____ Female _____ Married _____ Single _____ GED _____

Date of High School Graduation _____ High School _____

City/State _____ Transfer _____ Anticipated semester to attend MSSC _____

Entering Freshman _____ Freshman _____ Sophomore _____ Junior _____ Senior _____

Major _____ Minor _____

Check criteria which apply to you.

1. Student Nurses' Association (SNA)
2. Communication (major)
3. Non-traditional student
4. Beindiek Insurance employee
5. Son or daughter of MSSC alumni
6. Graduate - top half of class
7. Father or grandfather Lions
8. Interested in technology major
9. Single parent

All qualified applicants will receive consideration without regard to non-merit factors: race, sex, creed or disability.

Statement of certification: If I am awarded a scholarship program administered by Missouri Southern State College I must meet satisfactory academic progress.

(see other side)

Entering Freshmen or New College Transfer Students only-

Application will not be processed unless this section is completed and signed
by your HS Counselor/Principal or College Registrar.

(HS) School GPA on a 4.00 grade point system _____ (College) Last semester completed GPA _____

Signature _____ Title _____

Date _____

Please do not send transcript to Financial Aid Office

Are you receiving any of the following scholarships? Non-Residency _____ Junior College Transfer _____
Regents _____ Honors _____ President's _____ Deans' _____ Performing Aid _____ Athletic _____ Other
List _____

Are you currently employed? _____ If yes, list place of employment _____

(If dependent) Father's employer _____

(If dependent) Mother's employer _____

(If married) Spouse's employer _____

PLEASE COMPLETE THE FOLLOWING:

Scholastic honors: _____

Activities: _____

Organizations: _____

Volunteer Work: _____

I further understand that application to the scholarship program must be turned in prior to March 1
for consideration.

1. Students may not receive more than one scholarship issued by the College.
2. Scholarship recipients may receive athletic and performing awards which must be coordinated with the scholarship; not to exceed the student's college costs.
3. All scholarships are issued for one year only.
4. All scholarships are subject to change without notice and are subject to review by the scholarship committee upon receipt of funds and authorization by the Board of Regents.

Date Signed _____ Signature _____

Application for Admission

\$15.00 NON-REFUNDABLE application fee required for first time students only.

1. **Social Security Number (Required)** _____ - _____ - _____
2. **Name (Print)** _____
(Last) (First) (Middle) (Maiden or Former Names)
3. **Sex (Circle)** Male Female
4. **a. Are you a veteran? (Circle)** Yes No **b. Are you eligible for Veterans Educational Benefits? (Circle)** Yes No
5. **Date of Birth:** Month _____ Day _____ Year _____
6. **Permanent mailing address:**
Street or Route _____ City _____ County _____
State _____ Zip Code _____ Telephone Number (____) _____
How long have you resided at the above address? _____ If less than 1 year, indicate addresses for past year.
7. **Are you a U.S. Citizen: (Circle)** Yes No If no, what visa do you hold? _____
If no, country of birth _____ Major _____
8. **a. Student Status (Circle)**
1. First Time Student (at college level) 4. Post Graduate (4 year degree or greater)
2. Transfer Student (attended any other college) 5. Credit-in-Escrow (permission of authorized high school official)
3. Former Student of MSSC or Joplin JUCO 6. Transient-summer only (letter of approval from attending college)
- b. College credit hours completed (Circle)** 0-29 (Fresh.) 30-59 (Soph.) 60-89 (Jr.) 90 or more (Sr. or Grad.)
9. **Admission Status (Circle one only)**
Regular-Degree Seeking: 1. Baccalaureate (4-yr.) 2. Associate (2-yr.) 3. Certificate (1-yr.) 4. Undecided, or Post-Grad Studies
***Other - Non-Degree Seeking:** 1. Temporary 2. Special 3. Transient 4. Credit-in-Escrow 5. Return to Learn 6. Workshop 7. Audit 8. International
***NOTE:** Students circling one of the 'OTHER' categories are not eligible for financial aid and do not meet admission requirements (see Catalog).
10. **The college term in which you expect to enroll:** Fall 19 _____ Spring 19 _____ Summer 19 _____
11. **a. High school date of graduation:** 19 _____ **or date GED passed:** 19 _____ (Where) City _____ State _____
b. Name of high school _____ City _____ State _____
(or location of where GED was taken)
c. Are you a mid-term high school graduate? (Circle) Yes No
12. **College attended - put most recent on the top line:**

Name	Location	Dates attended		Degrees Earned
		From	To	

13. **a. Are you currently on suspension from any college? (Circle)** Yes No
b. Name of college _____ Semester and year of suspension _____
c. Have you ever been convicted of, or pleaded guilty to a felony? (Circle) Yes No If yes, explain on a separate sheet of paper.
14. **Have you been immunized against:** **a. Measles (two doses)? (Circle)** Yes No **b. Rubella? (Circle)** Yes No
15. **What is your racial background? (Circle)**
African American Asian or Pacific Islander Caucasian Hispanic Native American or Alaskan Native
16. **Next of kin (in case of emergency)** _____ Phone (____) _____
Street _____ City _____ State _____ Zip _____
Next of kin (in case of emergency) _____ Phone (____) _____
Street _____ City _____ State _____ Zip _____

Missouri Southern State College does not discriminate on the basis of sex, race, creed, color, national origin, disability, religion, or age in employment or the provision of services. For further information concerning handicap accessibility, contact the Disability Services Coordinator.

17. **I certify that the information provided is complete and correct to the best of my knowledge, and that I have read the admission and transcript requirements.**

(Signature) _____ (Date submitted) _____

_____ Check here if you would like an application for housing.

Thank you for your application. Please let us know if we may be of any further assistance.

Subject to change without notice.

Admission Requirements

Subject to change without notice

FIRST - TIME COLLEGE STUDENT:

1. Application
2. \$15.00 nonrefundable admission fee
3. Final high school transcript with graduation date, rank in class, and grade point average mailed directly from the high school
4. Enhanced ACT scores on file at MSSC.
5. **REGULAR ADMISSION** - Students will be admitted if:
 - A) they rank in the upper one-half of their high school graduating class; OR
 - B) they have a composite score of 18 or above on the ACT admission test. Admission denied if students do not meet the above standards. Denial may be appealed to the Admission Office Review Committee.
6. GED students must have a composite score of 18 or above on the ACT test. Denial may be appealed.
7. Students may not repeat residual ACT testing until 60 days have passed since their previous residual testing.
8. Core Curriculum Reporting Form.

MEETING THE REQUIREMENTS

All high school graduates who graduate Spring 1996 or after will need to complete all the core requirements for college admission beginning in the Fall 1996.

English 4 units, Math 3 units, Social Studies 3 units, Science 2 units, Visual Performing Art 1 unit, and core electives 3 units. (See counselor or admission staff for correct courses that meet the 16 unit requirement.)

TRANSFER STUDENT:

1. Application
2. \$15.00 admission fee
3.
 - a) Student must request that all official college transcripts be mailed directly to the MSSC Admission Office within 20 days after the first day of classes.
 - b) Students with a baccalaureate degree need to provide only the transcript from the institution that conferred the degree. Postgraduate work may be requested if applicable to work at MSSC. The transcript(s) must be mailed by the previous institution directly to the MSSC Admission Office
4. ACT SCORES MUST BE ON FILE AT MSSC - unless you have completed college math, English, and history.
5. Selected majors may be required to have Enhanced ACT scores on file before consideration into their programs.
6. Admission denied if student is not eligible to return to the last college or university attended
(*Must meet requirements of suspension from last college before entering MSSC.*)

ADMISSION TO SPECIAL PROGRAMS

TEACHER EDUCATION, HONORS,
NURSING, DENTAL HYGIENE, RADIOLOGIC TECHNOLOGY

Candidates who are interested in the above programs must also apply for admission to the individual department. These programs have separate applications, requirements, and deadlines, in addition to the admission standards for the college. For full information on admission and acceptance criteria to these programs, contact the specific department.

FOREIGN STUDENT:

1. All students whose first language is NOT English must pass the TOEFL Test and score a minimum of 535 or score a least 75% on the Michigan Test.
2. Foreign students must meet additional admission requirements. Application and requirements are available upon request.

Admission Office
Missouri Southern State College
Joplin, MO 64801-1595
1-800-606-MSSC or 417-782-MSSC
FAX: 417-659-4429

Residence Hall Information

On Campus residence requirements

All freshmen and sophomores under the age of 21 are required to live in Missouri Southern State College Residence Halls to the extent space is available, unless they are married, live with their parents, live with a relative, or are excused by the Dean of Students.

General Information

Missouri Southern houses over 500 students on campus. The two main residence halls are Blaine Hall (200 men) and McCormick Hall (100 women). Apartment-style units house an additional 250 students.

The rooms on campus are furnished with twin size extra long beds, bed pads, study carrels, desks, chairs, lamps, wastebaskets, mini blinds, night stands, and free local telephone service is provided along with voice mail and individual access codes. Students are required to bring sheets, pillow, blankets, and all personal belongings. The apartment units are also furnished with sofa, chair, lamps, coffee table, refrigerators and microwaves.

All residence hall facilities are air-conditioned. Cable TV, study lounges, recreational areas, IBM Personal Computers, vending machines, and laundry facilities are also included. The Residence Halls are staffed by two full-time professional Resident Directors who are assisted by a paraprofessional staff of 18 Staff Assistants.

Resident students are also entitled to food service. Twenty meals are served each week in the Student Center Cafeteria. Individual meals feature salad bar and unlimited servings, including entrees.

For additional information

Call: Missouri Southern State College
Residence Life Office
(417) 625-9522
1-800-606-MSSC toll free

or write: Missouri Southern State College
Residence Life Office
3950 E. Newman Rd.
Joplin MO 64801-1595

Request for application

Complete and return the form below to receive a Contract for Room and Board Accommodations

Name _____ Date _____
(Last) (First) (Middle)

Address _____
(Street) (City) (State) (Zip Code)

Telephone () _____

Detach and return this form to: Missouri Southern State College
Residence Life Office
3950 E. Newman Road
Joplin, MO 64801-1595

Semester entering MSSC Residence Halls: _____ Fall _____ Spring _____ Year